SEQUENCE LISTING

<110> Petronis, Arturas

<120> Detection of Epigenetic Abnormalities and Diagnostic Method Based Thereon

<130> 08-896089WO

<140> Not Yet Known
<141> 2003-06-06

<150> 60/386,818
<151> 2002-06-06

<160> 263

<170> PatentIn version 3.1

<210> 1
<211> 148
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> consensus sequence of a subfamily of Alu repeats having accession number U14570

<400> 1
ggccgggcgc ggtggctcac gcctgtaatc ccagcacttt gggaggccga ggcgggtgga 60

tcatgaggtc aggagatcga gaccatcctg gctaacaagg tgaaaccccg tctctactaa 120

aaatacaaaa aattagccgg gcgcggtg 148

<210> 2
<211> 20
<212> DNA
<213> Artificial

<220>
<223> primer 'Alu For' (see Example 1)

<400> 2
gcctgtactc ccagcagttt 20

<210> 3
<211> 20
<212> DNA
<213> Artificial

<220>

<223> primer 'Alu Rev' (see Example 1)

<400> 3
ggagggtgtt tgcacaatct 20

<210> 4
<211> 24
<212> DNA
<213> Artificial

<220>
<223> primer '1MF' (see Example 2)

<400> 4
cagcgtacac atacacagaa gaga 24

<210> 5
<211> 23
<212> DNA
<213> Artificial

<220>
<223> primer '1MR' (see Example 2)

<400> 5
ttcctagtca ccaagtcata gca 23

<210> 6
<211> 109
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from Sch74-E52m/Sch74-E51m (see Figure 4)

<400> 6
cagctcactg caacctccgc ctcctggatt caagcgattt tcccgcctta gcctcctgag 60

taactgggac tagaggcagg taccaccacg cccagctaat ttttgtatt 109

<210> 7
<211> 109
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BD43-E78m/BD43-E83m (see Figure 4)

<400> 7
cggctcaatg caacctcagc ctcctgggtt caagcaattc tcctgtctca gcctcccgag 60

tagctgggat tacaggcaca tgccaccatg cccaactaat ttttgtatt 109

<210> 8
<211> 109
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BD43-E78m (see Figure 4)

<400> 8
cggctcaatg caacctcagc ctcctgggtt caagcaattc tcctgtctca gcctcccgag 60

tagctgggat tacaggcaca tgccaccatg cccaactaat ttttgtatt 109

<210> 9
<211> 109
<212> DNA
<213> Homo sapiens

<220>
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<223> Alu sequence cloned from BD34-D19M (see Figure 4)

<400> 9
tggctcactg taacctctgc ctcctgggtt caagtaattc tcctgtctca gcctcctgag 60

tagctaggat tactggtgcc cgccaccatg cccggcaaat ttttgtatt 109

<210> 10
<211> 109
<212> DNA
<213> Homo sapiens

<220>
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<223> Alu sequence cloned from BD34-E62m_ (see Figure 4)

<400> 10
tggctcactg taacctctgc ctcctgggtt caagtaattc tcctgtctca gcctcctgag 60

tagctaggat tactggtgcc cgccaccatg cccggcaaat ttttgtatt 109

<210> 11
<211> 109

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BD43-15m (see Figure 4)

<400> 11
tggctcactg caacctctac ctcctgagtt caagctcttc tcctgcctca acctccagag 60

taattgtgat tacaggtgcc tcccaccaca ccaggctaat ttttgtatt 109

<210> 12
<211> 109
<212> DNA
<213> Homo sapiens

<220>
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<223> Alu sequence cloned from Ctrl57-E5m (see Figure 4)

<400> 12
cagctcactg caacctccat ttcctgggtt caagcgattc tcctgcctca gcctccggag 60

tagctgggac cacagacgtg tgccaccatg cctgggtaat tttcatatt 109

<210> 13
<211> 110
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BD43-RevE7m (see Figure 4)

<400> 13
cagctcactg caaccaccac ctcccaggtt caagtgatta tcctgcctca gcctcccgag 60

tagctgggat tacagatgcc caccaacaca ccaggctaat tttttgtatt 110

<210> 14
<211> 110
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BD43-RevE77m (see Figure 4)

<400> 14
cagctcactg caaccaccac ctcccaggtt caagtgatta tcctgcctca gcctcccgag 60

tagctgggat tacagatgcc caccaacaca ccaggctaat tttttgtatt 110

<210> 15
<211> 110
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BD34-A14M (see Figure 4)

<400> 15
cagcccagtg caagctccgc ctcccaggtt cacgtcattc tcctgcctca gcctcccgag 60

tagctgggac tacaggcgcc cgccaccacg cccagctaat tttttgtatt 110

<210> 16
<211> 110
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from Ctrl57-E3m (see Figure 4)

<400> 16
cggctcactg caagctccgc ctcccgggtg cacgccattc tcctgcctca gcctcccgag 60

tagctgggac tacaggcgcc cgccaccacg cccggctaat tttttgtatt 110

<210> 17
<211> 110
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from Sch74-E318m (see Figure 4)

<400> 17
tggctcactg caacctccgc ctcccaggtt caagcaattc tcctgcctca gtctcccgag 60

tagctgggac taccggcgag tgctaccatg cctgcgtaat tttttgtact 110

<210> 18
<211> 110

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from Sch74-E318_m (see Figure 4)

<400> 18
tggctcactg caacctccgc ctcccaggtt caagcaattc tcctgcctca gtctcccgag 60

tagctgggac taccggcgag tgctaccatg cctgcgtaat tttttgtact 110

<210> 19
<211> 110
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from Ctrl57-E4m (see Figure 4)

<400> 19
tggctcactg caacctccgc ctcccaggtt caagcaattc tcctgcctca gtctcccgag 60

tagctgggac taccggcgag tgctaccatg cctgcgtaat tttttgtact 110

<210> 20
<211> 110
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BD43-E79m (see Figure 4)

<400> 20
cagctcactg caacctccgt ttcccaggtg caaccgattc tcctgcctca gacctctgaa 60

gcggctggga ctacaggtgc ctgccacctc acccggctaa tttttgtatt 110

<210> 21
<211> 108
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from Ctrl57-E6m (see Figure 4)

<400> 21
cagctcacca caacctccgc ctcctgggtt ccagcgattc tcctgcctcg gcctcccaag 60

tagctgggat tacaggcacg caccaataca cctggctaat tttgtatt 108

<210> 22
<211> 108
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from Ctrl57-E6m (see Figure 4)

<400> 22
cagctcacca caacctccgc ctcctgggtt ccagcgattc tcctgcctcg gcctcccaag 60

tagctgggat tacaggcacg caccaataca cctggctaat tttgtatt 108

<210> 23
<211> 110
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from Ctrl50-RevE169m (see Figure 4)

<400> 23
cagctctcca caacctccgc catcgtgggt tccagcagat tctcctgcct cggcctccca 60

agtagctggg aatacaggca cgctccaata cacctggcta attatgtatt 110

<210> 24
<211> 109
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from Sch56-E283m (see Figure 4)

<400> 24
cagctcaccg caacctttgc ctcacgggct caagtgattc tcatgcttga tcctaccaag 60

tagctgggat tacaggcaca tgccatcatg ctgagctaac tttggtatt 109

<210> 25
<211> 109

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from Sch56-r-37m (see Figure 4)

<400> 25
cagctcaccg caacctttgc ctcacgggct caagtgattc tcatgcttga tcctaccaag 60

tagctgggat tacaggcaca tgccatcatg ctgagctaac tttggtatt 109

<210> 26
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from Sch56-E32m (see Figure 4)

<400> 26
cacgtcactg taatgtccat ctcccgggtt caggtgattc tcctgcccca gcctcctgag 60

tagctgtaca ggcgtgcacc accatgcccg actaattttt gtact 105

<210> 27
<211> 98
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from Ctrl50-E166m (see Figure 4)

<400> 27
cggcccactg caacctccgc ctcccgggtg caagcagttc tcctacctca gcctcctgag 60

tagctaggat tacaggcaca cctggctaat tttgtggt 98

<210> 28
<211> 110
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from Ctrl50-E49m (see Figure 4)

<400> 28
cgactcattg caacctctgc ctcctgggtt taagccgttc tcatgcctca gcctcccgac 60

gtagctggga ttataggcat gcgccaccac ccccagctaa tttttgtatt 110

<210> 29
<211> 589
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-130_m37_SZ (see Figure 3)

<400> 29
ctgattacgc caagctctaa tacgactcac tatagggaaa gctcggtacc acgcatgctt 60

gcagacgcgt tacgtatcgg atccagaatt cgtgattgga gggtgtttgc acaatctcag 120

ctcaccgaaa cctccgcctc acaggttcaa gtgattcctc tgcctcagcc ttctgagtag 180

ctaggatgac aagcatttgc catgatacct ggctaatttt gtatttttag tagagaccag 240

gattcttcat gttgataagg tggttcttga actcctgacc tcagatgatc catctgattt 300

ggcctcccaa actgctggga gtacaggcaa tctgaattcg tcgacaagct tctcgagcct 360

aggctagctc tagaccacac gtgtgggggc ccgagctcgc ggccgctgta ttctatagtg 420

tcacctaaat ggccgcacaa ttcactggcc gtcgttttac aacgtcgtga ctgggaaaac 480

cctggcgtta cccaacttaa tcgccttgca gcacatcccc ctttcccagc tggcgtaata 540

gacgaagagg cccgcaccga tcgcccttcc caacagttgc gcaagcctg 589

<210> 30
<211> 612
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-140_m48_SZ (see Figure 3)

<400> 30
ctatcccatg attacgccaa gctctaatac gactcactat agggaaagct cggtaccacg 60

catgctgcag acgcgttacg tatcggatcc agaattcgtg attgcctgta ctcccagcag 120

tttgggaggc tgaggtaggt ggatcacgag gtcaggagtt ctagatcagc ctggccaaca 180

gggtgaaacc atgtctctac taaaaataca aaaattagtc aggcgtggtg gtgggcacct 240

gtaatcccag ttacttggga ggctgaggca ggagaatttc ttgaacctgg aaggcagagg 300

ttgcagtcag ccgagattgt gcaaacaccc tccaatctga attcgtcgac aagcttctcg 360

agcctaggct agctctagac cacacgtgtg ggggcccgag ctcgcggccg ctgtattcta 420

tagtgtcacc taaatggccg cacaattcac tggccgtcgt tttacaacgt cgtgactggg 480

aaaacctggc gttacccaac ttaatcgcct tgcagcacat ccccctttcg ccagctggcg 540

taatagcgaa gaggcccgca ccgatcgccc ttcccacagt tgcgcagcct gaatggcgaa 600

tggaaattgt aa 612

<210> 31
<211> 602
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-150_m48_SZ (see Figure 3)

<400> 31
ctatgaccat gattacgcca agctctaata cgactcacta tagggaaagc tcggtaccac 60

gcatgctgca gacgcgttac gtatcggatc cagaattcgt gattgcctgt actcccagca 120

gtttgggagg ccaaatcaga tggatcatct gaggtcagga gttcaagaac caccttatca 180

acatgaagaa tcctggtctc tactaaaagt acaaaattag ccaggtatca tggcaaatgc 240

ttgtcatcct agctactcag aaggctgagg cagaggaatc acttgaacct gtgaggcgga 300

ggtttcggtg agctgagatt gtgcaaacac cctccaatct gaattcgtcg acaagcttct 360

cgagcctagg ctagctctag accacacgtg tgggggcccg agctcgcggc cgctgtattc 420

tatagtgtca cctaaatggc cgcacaattc actggccgtc gttttacaac gtcgtgactg 480

ggaaaaccct ggcgttaccc aacttaatcg ccttgcagca catccccctt tcgccagctg 540

gcgtaatagc gaagagggcc gcaccgatcg cccttccaac agttgcgcag cctgaatggc 600

ga 602

<210> 32
<211> 620
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<223> Alu sequence cloned from E-154_m56_SZ (see Figure 3)

<400> 32
atgattacgc caagctctaa tacaactcac tatgggcaaa tggtcgcaac ctcgcatgct 60

gcatacgcgt tacgtatcgg atccagaatt cgtgattgga gggtgtttgc acaatctcag 120

ctcactgcaa cctccacctc ccaggctcaa tgatcctccc acctcaactc ccccgagtaa 180

ctgggaccac aggtgcatgc cagcatgccc agctaatttt tgtattttct gttgagatgg 240

ggttttgcca tgttgcccag gcaggtctcg aactgctggg ctcaagtgat cctcctgcct 300

ccacctcaca aactgctggg agtacaggca atctgaattc gtcgacaagc ttctcgagcc 360

taggctagct ctagaccaca cgtgtggggg cccgagctcg cggccgctgt attctatagt 420

gtcacctaaa tggccgcaca attcactggc cgtcgtttta caacgtcgtg actgggaaaa 480

ccctggcgtt acccaactta atcgccttgc agcacatccc cctttcgcca gctggcgtaa 540

tagcgaagag gcccgcaccg atcgcccttc ccaacagttg cgcagcctga atggcgaatg 600

gaaattgtaa gcgttaatat 620

<210> 33
<211> 598
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-178_m74_SZ (see Figure 3)

<400> 33
aagatccata tgaccatgat tacgccaagc tctaatacga ctcactatag ggaaagctcg 60

gtaccacgca tgctgcagac gcgttacgta tcggatccag aattcgtgat tggagggtgt 120

ttgcacaatc ttggctcact gcaacctccg cctcccgggt tcaagagatt ctcctgcctc 180

agcctcccga gaggctggga ctacaggcat gcgccaccat gcccagctag tttttgtatt 240

tttagtagag atggggtttc cccatgttgg ccaggatgat ctcgatctct tgacctcgtg 300

atctgcccgc ctcagcctcc caaacttgct gggagtacag gcaatctgaa ttcgtcgaca 360

agcttctcga gcctaggcta gctctagacc acacgtgtgg gggcccgagc tcgcggccgc 420

tgtattctat agtgtcacct aaatggccgc acaattcact ggccgtcgtt ttacaacgtc 480

gtgactggga aaaccctggc gttacccaac ttaatcgcct tgcagcacat ccccctttcg 540

ccagctggcg taatagcgaa gaggcccgca ccgatcgccc ttcccaacag ttgcgcag 598

<210> 34
<211> 692
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-191_m34-4_BD (see Figure 3)

<400> 34
atgattacgc caagctctaa tacgactcac tatagggaaa gctcggtacc acgcatgctg 60

cagacgcgtt acgtatcgga tccagaattc gtcgatctga attcgtcgac aagcttctcg 120

agcctaggct agctctagac cacacgtgtg ggggcccgag ctcgcggccg ctgtattcta 180

tagtgtcacc taaatggccg cacaattcac tggccgtcgt tttacaacgt cgtgactggg 240

aaaaccctgg cgttacccaa cttaatcgcc ttgcagcaca tccccctttc gccagctggc 300

gtaatagcga agaggcccgc accgatcgcc cttcccaaca gttgcgcagc ctgaatggcg 360

aatggaaatt gtaagcgtta atattttgtt aaaattcgcg ttaaattttt gttaaatcag 420

ctcatttttt aaccaatagg ccgaaatcgg caaaatccct tataaatcaa aagaatagac 480

cgagataggg ttgagtgttt gttccagttt ggaacaagag tccactatta aagaacgtgg 540

actccaacgt caaagggcga aaaaccgtct atcagggcga tggcccacta cgtgaaccat 600

caccctaatc aagtttttgg ggtcgaggtg ccgtaaagca ctaaatcgga accctaaagg 660

gagcccccga tttagagctt gacggggaaa gc 692

<210> 35
<211> 530
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-221_m37_SZ (see Figure 3)

<400> 35
ccatatgacc atgattacgc caagctctaa tacgactcac tatagggaaa gctcggtacc 60

acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattgcct gtactcccag 120

cagtttggga ggccaaatca gatggatcat ctgaggtcag gagttcaaga accaccttat 180

caacatgaag aatcctggtc tctactaaaa atacaaaatt agccaggtat catggcaaat 240

gcttgtcatc ctagctactc agaaggctga ggcagaggaa tcacttgaac ctgtgaggcg 300

gaggtttcgg tgagctgaga ttgtgcaaac accctccaat ctgaattcgt cgacaagctt 360

ctcgagccta ggctagctct agaccacacg tgtgggggcc cgagctcgcg gccgctgtat 420

tctatagtgt cacctaaatg gccgcacaat tcactggccg tcgttttaca acgtcgtgac 480

tgggaaaacc ctggcgttac ccaacttaat cgccttgcag cacatccccc 530.

<210> 36
<211> 600
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-244_m48_SZ (see Figure 3)

<400> 36
ccgtatgacc atgattacgc caagctctaa tacgactcac tatagggaaa gctcggtacc 60

acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattggag ggtgtttgca 120

caatctcagc tcaccgaaac ctccgcctca caggttcaag tgattcctct gcctcagcct 180

tctgagtagc taggatgaca agcatttgcc atgatacctg gctaattttg tatttttagt 240

agagaccagg attcttcatg ttgataaggt ggttcttgaa ctcctgacct cagatgatcc 300

atctgatttg gcctcccaaa ctgctgggag tacaggcaat ctgaattcgt cgacaagctt 360

ctcgagccta ggctagctct agaccacacg tgtgggggcc cgagctcgcg gccgctgtat 420

tctatagtgt cacctaaatg gccgcacaat tcactggccg tcgttttaca acgtcgtgac 480

tgggaaaacc ctggcgttac ccaacttaat cgccttgcag cacatccccc tttcgccagc 540

tggcgtaata gcgaagaggc cgcaccgatc gcccttccca acagttgcgc agcctgaatg 600

<210> 37
<211> 586
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-246_m48_SZ (see Figure 3)

<400> 37

ctatgaccat gattacgcca agctctaata ccgactcact atagggaaag ctcggtacca 60

cgcatgctgc agacgcgtta cgtatcggat ccagaattcg tgattggagg gtgtttgcac 120

aatctcggct cactgcaacc tccacctccc aggttcaagc aattctcctg cctcagcctc 180

ccaagtagct gagattacag gcggctgcca tcatgcctgg ctaatttttg tatttttact 240

aaagacgggg ttttgccatg ttggccaggc tgttctcaaa ctcctgactt caggtgatcc 300

acctgcctca gcctcccaaa ctgctgggag tacaggcaat ctgaattcgt cgacaagctt 360

ctcgagccta ggctagctct agaccacacg tgtgggggcc cgagctcgcg gccgctgtat 420

tctatagtgt cacctaaatg gccgcacaat tcactggccg tcgttttaca acgtcgtgac 480

tgggaaaacc ctggcgttac ccaacttaat cgccttgcag cacatccccc tttcgccagc 540

tggcgtaata gcgaagaggc ccgcaccgat cgcccttccc aacagt 586

<210> 38
<211> 560
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-251_m48_SZ (see Figure 3)

<400> 38
catgattacg ccaagctcta atacgactca ctatagggaa agctcggtac cacgcatgct 60

gcagacgcgt tacgtatcgg atccagaatt cgtgattcgg agggtgtttg cacaatcttg 120

actaactgca acatctgcct cccaggttca agcaattctg cctcagcttc ctgagcagct 180

gggattacag atgagcacta ccatgacagg ctaattttta tatttttagt agaggcgggg 240

tttcaccatg ttggccaggc tggtcatgaa ctcctgacct caggtgattc acctgcctca 300

gcctcccaaa ctgctgggaa tctgaattcg tcgacaagct tctcgagcct aggctagctc 360

tagaccacac gtgtgggggc ccgagctcgc ggccgctgta ttctatagtg tcacctaaat 420

ggccgcacaa ttcactggcc gtcgttttac aacgtcgtga ctgggaaaac cctggcgtta 480

cccaacttaa tcgccttgca gcacatcccc ctttcgccag ctggcgtaat agcgaagagg 540

cccgcaccga tcgcccttcc 560

<210> 39
<211> 581
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-252_m48_SZ (see Figure 3)

<400> 39
cgatatgacc atgattacgc caagctctaa tacgactcac tatagggaaa gctcggtacc 60

acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattggag ggtgtttgca 120

caatctcagc tcaccgaaac ctccgcctca caggttcaag tgattcctct gcctcagcct 180

tctgagtagc taggatgaca agcatttgcc atgatacctg gctaattttg tatttttagt 240

agagaccagg attcttcatg ttgataaggt ggttcttgaa ctcctgacct cagatgatcc 300

atctgatttg gcctcccaaa ctgctgggag tacaggcaat ctgaattcgt cgacaagctt 360

ctcgagccta ggctagctct agaccacacg tgtgggggcc cgagctcgcg gccgctgtat 420

tctatagtgt cacctaaatg gccgcacaat tcactggccg tcgttttaca acgtcgtgac 480

tggggaaaac cctggcgtta cccaacttaa tcgccttgca gcacatcccc ctttcgccag 540

ctggcgtaat agcgaagagg cccgcaccga tcgcccttcc c 581

<210> 40
<211> 571
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-2531_m48_SZ (see Figure 3)

<400> 40
cagctatgac catgattacg ccaagctcta atacgactca ctatagggaa agctcggtac 60

cacgcatgct gcagacgcgt tacgtatcgg atccagaatt cgtgattgcc tgtactccca 120

gcagtttggg aggctgaggc aggtgaatca cctgaggtca ggagttcatg accagcctgg 180

ccaacatggt gaaaccccgc ctctactaaa aatataaaaa ttagcctgtc atggtagtgc 240

tcatctgtaa tcccagctgc tcaggaagct gaggcagaat tgcttgaacc tgggaggcag 300

atgttgcagt tagtcaagat tgtgcaaaca ccctccaatc tgaattcgtc gacaagcttc 360

tcgagcctag gctagctcta gaccacacgt gtgggggccc gagctcgcgg ccgctgtatt 420

ctatagtgtc acctaaatgg ccgcacaatt cactggccgt cgttttacaa cgtcgtgact 480

gggaaaaccc tggcgttacc caacttaatc gccttgcagc acatcccccc ttcgccagct 540

ggcgtaatag cgaagagggc cgcaccgatc g 571

<210> 41
<211> 599
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (575)..(575)
<223> n is a, g, c, or t

<220>
<221> misc_feature
<223> Alu sequence cloned from E-2532_m48_SZ (see Figure 3)

<400> 41
ctatgaccat gattacgcca agctctaata cgactcacta tagggaaagc tcggtaccac 60

gcatgctgca gacgcgttac gtatcggatc cagaattcgt gattgcctgt actcccagca 120

gtttgggagg ctgaggcagg tgaatcacct gaggtcagga gttcatgacc agcctggcca 180

acatggtgaa accccgcctc tactaaaaat ataaaaatta gcctgtcatg gtagtgctca 240

tctgtaatcc cagctgctca ggaagctgag gcagaattgc ttgaaccttg ggaggcagat 300

gttgcagtta gtcaagattg tgcaaacacc ctccaatctg aattcgtcga caagcttctc 360

gagcctaggc tagctctaga ccacacgtgt gggggcccga gctcgcggcc gctgtattct 420

atagtgtcac ctaaatggcc gcacaattca ctggccgtcg ttttacaacg tcgtgactgg 480

gaaaaccctg gcgttaccca acttaatcgc cttgcagcac atccccctttt cgccagctgg 540

cgtaatagcg aagaggcccg caccgatcgc ccttnccaac agttgcgcag cctgaatgg 599

<210> 42
<211> 500
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-258_m48_SZ (see Figure 3)

<400> 42
ccatatgatc atgattacgc caagctctaa tacgactcac tatagggaaa gctcggtacc 60

accgcatgct gcagacgcgt tacgtatcgg atccagaatt cgtgattgga gggtgtttgc 120

acaatcttgg ctcactgcaa cctctgcccc ccaggttcaa acgattctcc tgcctcagcc 180

tcccgagtag ctgggattat aggcacctgc caccacgccc agctaatttt ttgcattttt 240

agtagagacg gggtttcact atgttggcca ggctggtcta gaactcctga ccttgtgatc 300

cgcccgcctt ggcctcccaa actgctggga gtaatctgaa ttcgtcgaca agcttctcga 360

gcctaggcta gctctagacc acacgtgtgg gggcccgagc tcgcggccgc tgtattctat 420

agtgtcacct aaatggccgc acaattcact ggccgtcgtt ttacaacgtc gtgactggga 480

aaaccctggc gttacccaac 500

<210> 43
<211> 510
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-261_m50_Ctrl (see Figure 3)

<400> 43
tgaccttgat tacgccaagc tctaatacga ctcactatag ggaaagctcg gtaccacgca 60

tgctgcagac gcgttacgta tcggatccag aattcgtgat tggagggtgt ttcgcacaat 120

ctcagctcac cgaaacctcc gcctcacagg ttcaagtgat tcctctgcct cagccttctg 180

agtagctagg atgacaagca tttgccatga tacctggcta attttgtatt tttagtagag 240

accaggattc ttcatgttga taaggtggtt cttgaactcc tgacctcaga tgatccatct 300

gatttggcct cccaaactgc tgggagtaca ggcaatctga attcgtcgac aagcttctcg 360

agcctaggct agctctagac cacacgtgtg ggggcccgag ctcgcggccg ctgtattcta 420

tagtgtcacc taaatggccg cacaattcac tggccgtcgt tttacaacgt cgtgactggg 480

aaaaccctgg cgttacccaa cttaatcgcc 510

<210> 44
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-267_m50_Ctrl (see Figure 3)

<400> 44
ttacgccaag ctctaatacg actcactata gggaaagctc ggtaccacgc atgctgcaga 60

cgcgttacgt atcggatcca gaattcgtga ttgcctgtac tcccagcagt ttgggaggcc 120

aaatcagatg gatcatctga ggtcaggagt tcaagaacca ccttatcaac atgaagaatc 180

ctggtctcta ctaaaaatac aaaattagcc aggtatcatg gcaaatgctt gtcatcctag 240

ctactcagaa ggctgaggca gaggaatcac ttgaacctgt gaggcggagg tttcggtgag 300

ctgagattgt gcaaacaccc tccaatctga attcgtcgac aagcttctcg agcctaggct 360

agctctagac cacacgtgtg ggggcccgag ctcgcggccg ctgtattcta tagtgtcacc 420

taaatggccg cacaattcac tggccgtcgt tttacaacgt cgtgactggg aaaaccctgg 480

gcgttaccca acttaatcgc cttgcagcac atcccccttt 520

<210> 45
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (11)..(11)
<223> n is a, g, c, or t

<220>
<221> misc_feature
<223> Alu sequence cloned from E-269_m50_Ctrl (see Figure 3)

<220>
<221> misc_feature
<222> (16)..(16)
<223> n is a, g, c, or t

<400> 45
cttccaaagg ntaagntcta atattactca ctatagggaa agctcggccc cactcatgct 60

gcagacgcgt tacgtattgg atccagaatt cgcgattgga gggtgtttgt acaatctctg 120

ctcaccgaaa cctccgcctc acaggttcaa gtgatccctc tgcctcagcc ttctgagtag 180

ctaggatgac aagcatttgc catgatacct ggctaatttt gtatttttag tagagaccag 240

gattctttta tgttgataag gcggttcttg aactcctgac ctcagattga ttcatctgat 300

ttggcctccc aaactgctgg gagtacaggc aatctgaatt cgtcaacaag cttct 355

<210> 46
<211> 601
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-285_m56_SZ (see Figure 3)

<400> 46
ggtgagagat tacgccaagc tctaatacga ctcactatag ggaaagctcg gtaccacgca 60

tgctgcagac gcgttacgta tcggatccag aattcgtgat tgcctgtact cccagcagtt 120

tgggaggctg aagtgggttg attacccgag gtcaggagtt ccagaccagg ttgaccaaca 180

tggagaaacc ctgtctctac taaaaataca aaattagcca ggtgtattgg tgcgtgcctg 240

tattcccagc tacttgggag gccgaggcag gagaatcgct ggaacccagg aggcggaggt 300

tgtggtgagc tgagattgtg caaacacccc ccaatctgaa ttcgtcgaca agcttctcga 360

gcctaggcta gctctagacc acacgtgtgg gggcccgagc tcgcggccgc tgtattctat 420

agtgtcacct aaatggccgc acaattcact ggccgtcgtt ttacaacgtc gtgactggga 480

aaaccctggc gttacccaac ttaatcgcct tgcagcacat ccccctttcg ccagctggcg 540

taataagcga agaggcccgc accgatcgcc ctttccaaca gttgcgcaag cctgaatggc 600

g 601

<210> 47
<211> 600
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-286_m56_SZ (see Figure 3)

<400> 47
gttctaatac gactcactat agggaaagct cggtaccacg catgctgcag acgcgttacg 60

tatcggatcc agaattcgtg attggagggt gtttgcacaa tctcagctca ccgaaacctc 120

cgcctcacag gttcaagtga ttcctctgcc tcagccttct gagtagctag gatgacaagc 180

atttgccatg atacctggct aattttgtat ttttagtaga gaccaggatt cttcatgttg 240

ataaggtggt tcttgaactc ctgacctcag atgatccatc tgatttggcc tcccaaactg 300

ctgggagtac aggcaatctg aattcgtcga caagcttctc gagcctaggc tagctctaga 360

ccacacgtgt gggggcccga gctcgcggcc gctgtattct atagtgtcac ctaaatggcc 420

cgcacaattc actggccgtc gttttacaac gtcgtgactg ggaaaaccct ggcgttaccc 480

aacttaatcg ccttgcagca catccccctt tcgccagctg gcgtaatagc gaagaagccc 540

gcaccgatcg cccttcccaa cagttgcgca gcctgaatgg cgaatggaaa ttgtaagcgt 600

<210> 48
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-287_m56_SZ (see Figure 3)

<400> 48
taattaactc actataggga aagctcggga gcacgcatgc tgcatacgcg tttcgtatct 60

ggatccagaa ttcgcgattg cctgtactcc cagcagtttg ggaggccaaa tcagatggat 120

catctgaggc caggagttca agaaccacct tatcaacatg aataatcctg gtctctacta 180

aaaatacgaa attagccagg tatcatggaa aatgcttgtc atcctagcta ctcagaaggc 240

tgaggcagag gaatcacttg aacctgtgag gcggaggttt cggtgagctg agattgggca 300

aacaccctcc aatctgaatt cgtccgacaa gcttctcgag cctaggctag ctctagacca 360

cacgcgtggg ggcccgagct cgcggccgct gtattctatt 400

<210> 49
<211> 453
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (15)..(15)
<223> n is a, g, c, or t

<220>
<221> misc_feature
<223> Alu sequence cloned from E-288_m56_SZ (see Figure 3)

<400> 49
gttcagatct aatangactc actatcggga aagctcggca ccacgcatgc tgcagacgcg 60

ttacgtatcc ggatccatga attcgtgatt gcctgtactc ccagcagttt gggaggccaa 120

atcagatgga tcatctgagg tcaggagttc aagaaccacc ttatcaacat gaagaatcct 180

ggtctctact aaaaatacaa aattagccag gtatcatggc aaatgcttgt catcctagct 240

actcagaagg ctgaggcaga ggaatcactt gaacctgtga ggcggaggtt tcggtgagct 300

gagattgtgc aaacaccctc caatctgaat tcgtcgacaa gcttctcgag cctaggctag 360

ctctagacca cacgtgtggg ggcccgagct cgcggccgct gcattctata gtgtcaccta 420

aatggccgca caattcactg gccgtcgttt tta 453

<210> 50
<211> 601
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-289_m56_SZ (see Figure 3)

<400> 50
ttacgccaag ctctaatacg actcactata gggaaagctc ggtaccacgc atgctgcaga 60

cgcgttacgt atcggatcca gaattcgtga ttgcctgtac tcccagcagt ttgggaggcc 120

aaatcagatg gatcatctga ggtcaggagt tcaagaacca ccttatcaac atgaagaatc 180

ctggtctcta ctaaaaatac aaaattagcc aggtatcatg gcaaatgctt gtcatcctag 240

ctactcagaa ggctgaggca gaggaatcac ttgaacctgt gaggcggagg tttcggtgag 300

ctgagattgt gcaaacaccc tccaatctga attcgtcgac aagcttctcg agcctaggct 360

agctctagac cacacgtgtg ggggcccgag ctcgcggccg ctgtattcta tagtgtcacc 420

taaatggccg cacaattcac tgggccgtcg ttttacaacg tcgtgactgg gaaaaccctg 480

gcgttaccca acttaatcgc cttgcagcac atccccctttt cgccagctgg cgtaatagcg 540

aagaggccgc accgatcgcc cttcccaaca gttgcgcagc ctgaatggcg aatggaaatt 600

g 601

<210> 51
<211> 580
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-290_m56_SZ (see Figure 3)

<400> 51
atattgatca tgattacgcc aacgctctaa tacgactcac tatagggaaa gctcggtacc 60

acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattgcct gtactcccag 120

cagtttggga ggctgaagtg ggttgattac ccgaggtcag gagttacaga ccaggttgac 180

caacatggag aaaccctgtc tctactaaaa atacaaaatt agccaggtgt attggtgcgt 240

gcctgtaatc ccagctactt gggaggccga ggcaggagaa tcgctggaac ccaggaggcg 300

gaggttgtgg tgagctgaga ttgtgcaaac accctccaat ctgaattcgt cgacaagctt 360

ctcgagccta ggctagctct agaccacacg tgtgggggcc cgagctcgcg gccgctgtat 420

tctatagtgt cacctaaatg gccgcacaat tcactggccg tcgttttaca acgtcgtgac 480

tgggaaaacc ctggcgttac ccaacttaat cgccttgcag cacatccccc tttcgccagc 540

tggcgtaata gcgaagaggc ccgcaccgat cgcccttccc 580

<210> 52
<211> 579
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (469)..(469)
<223> n is a, g, c, or t

<220>
<221> misc_feature
<223> Alu sequence cloned from E-291_m56_SZ (see Figure 3)

<220>
<221> misc_feature
<222> (490)..(490)
<223> n is a, g, c, or t

<220>
<221> misc_feature
<222> (508)..(508)
<223> n is a, g, c, or t

<220>
<221> misc_feature
<222> (538)..(538)
<223> n is a, g, c, or t

<220>
<221> misc_feature
<222> (550)..(550)
<223> n is a, g, c, or t

<220>
<221> misc_feature
<222> (552)..(552)
<223> n is a, g, c, or t

<220>
<221> misc_feature
<222> (557)..(557)
<223> n is a, g, c, or t

<400> 52
tgaccatgat tacgccaagc tctaatacga ctcactatag ggaaagctcg gtaccacgca 60

tgctgcagac gcgttacgta tcggatccag aattcgtgat tggagggtgt ttgcacaatc 120

tcagctcacc gaaacctccg cctcacaggt tcaagtgatt cctctgcctc agccttcaga 180

gtagctagga tgacaagcat ttgccatgat acctggctaa ttttgtattt ttagtagaga 240

ccaggattct tcatgttgat aaggtggtcc ttgaactcct gacctcagat gatccatctg 300

atttggcctc ccaaactgct gggagtacag gcaatctgaa ttcctcgaca agcttctcga 360

gcctaggcta gctctagacc acaccgtgtg ggggcccgag ctcgcggccg ctgtattcta 420

tagtgtcacc taaatggccg cacaattcac tggccgtcgt tttacaacnt cgtgactggg 480

aaaaccctgn cgttacccca cttaatcncc cttgcagcac atcccccttt cgcccagnct 540

gggcgtaatn ancgaanagg cccgcacccg atcgcccct 579

<210> 53
<211> 530
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-292_m56_SZ (see Figure 3)

<400> 53
acgtcacgct ctaatacgac tcactatagg gaaagctcgg taccacgcat gctgcagacg 60

cgttacgtat cggatccaga attcgtgatt gcctgtactc ccagcagttt gggagggcaa 120

atcagatgga tcatctgagg tcaggagttc aagaaccacc ttatcaacat gaagaatcct 180

ggtctctact aaaaatacaa aattagccag gtatcatggc aaatgcttgt catcctagct 240

actcagaagg ctgaggcaga ggaatcactt gaacctgtga ggcggaggtt tcggtgagct 300

gagattgtgc aaacaccctc caatctgaat tcgtcgacaa gcttctcgag cctaggctag 360

ctctagacca cacgttgtgg gggcccgagc tcgcggccgc tgtattctat agtgtcacct 420

aaatgggcgc acaattcact ggccgtcgtt ttacaacgtt cgtgactggg aaaaccctgg 480

cgttacccaa cttaatcgcc tttgcagcac atccccccctt tcgcccagct 530

<210> 54
<211> 600
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-293_m56_SZ (see Figure 3)

<400> 54
tatgaccatg attacgccaa gctctaatac gactcactat agggaaagct cggtaccacg 60

catgcttgca gacgcgttac gtatcggatc cagaattcgt gattggaggg tgtttgcaca 120

atctcagctc accgaaacct ccgcctcaca ggttcaagtg attcctctgc ctcagccttc 180

tgagtagcta ggatgacaag catttgccat gatacctggc taattttgta tttttagtag 240

agaccaggat tcttcatgtt gataaggtgg ttcttgaact cctgacctca gatgatccat 300

ctgatttggc ctcccaaact gctgggagta caggcaatct gaattcgtcg acaagcttct 360

cgagcctagg ctagctctag accacacgtg tgggggcccg agctcgcggc cgctgtattc 420

tatagtgtca cctaaatggc cgcacaattc actgggccgt cgttttacaa cgtcgtgact 480

gggaaaaccc tggcgttacc caacttaatc gccttgcagc acatcccccct ttcgccagct 540

ggcgtaatag cgaagaggcc gcacccgatc gcccttccca acagttgcgc agcctgaatg 600

<210> 55
<211> 580
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-294_m740_SZ (see Figure 3)

<400> 55

ttacgccacg ctctaatacg actcactata gggaaagctc ggtaccacgc atgctgcaga 60

cgcgttacgt atcggatcca gaattcgtcg attggagggt gtttgcacaa tctcagctca 120

ccgaaacctc cgcctcacag gttcaagtga ttcctctgcc tcagccttct gagtagctag 180

gatgacaagc atttgccatg atacctggct aattttgtat ttttagtaga gaccaggatt 240

cttcatgttg ataaggtggt tcttgaactc ctgacctcag atgatccatc tgatttggcc 300

tcccaaactg ctgggagtac aggcaatctg aattcgtcga caagcttctc gagcctaggc 360

tagctctaga ccacacgtgt gggggcccga gctcgcggcc gctgtattct atagtgtcac 420

ctaaatggcc gcacaattca ctggccgtcg ttttacaacg tcgtgactgg gaaaaccctg 480

gcgttaccca acttaatcgc cttgcagcac atccccctttt cgccagctgg cgtaatagcg 540

aagaggcccg caccgatcgc ccttcccaac agttgcgcag 580

<210> 56
<211> 600
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-295_m740_SZ (see Figure 3)

<400> 56
tatgaccatg attacgccaa gctctaatac gactcactat agggaaagct cggtaccacg 60

catgcttgca gacgcgttac gtatcggatc cagaattcgt gattggaggg tgtttgcaca 120

atctcagctc accgaaacct ccgcctcaca ggttcaagtg attcctctgc ctcagccttc 180

tgagtagcta ggatgacaag catttgccat gatacctggc taattttgta tttttagtag 240

agaccaggat tcttcatgtt gataaggtgg ttcttgaact cctgacctca gatgatccat 300

ctgatttggc ctcccaaact gctgggagta caggcaatct gaattcgtcg acaagcttct 360

cgagcctagg ctagctctag accacacgtg tgggggcccg agctcgcggc cgctgtattc 420

tatagtgtca cctaaatggg ccgcacaatt cactgggccg tcgttttaca acgtcgtgac 480

tgggaaaacc ctggcgttac ccaacttaat cgccttgcag cacatccccc tttcgccagc 540

tggcgtaata gcgaagaggc ccgcaccgat cgcccttccc aacagtttgc gcagcctgaa 600

<210> 57
<211> 520
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-296_m57_Ctrl (see Figure 3)

<400> 57
caagctctaa tacgactcac tatagggaaa gctcggtacc acgcatgctg cagacgcgtt 60

acgtatcgga tccagaattc gtgattggag ggtgtttgca caatctcagc tcactgcaac 120

ctctgcctcc tgggttcaat tcattctcct gcctcagcct tccgagtagc tgggattaca 180

ggcatgcccg gctaattttt gtatttttag cagagatcgg ggttttgcca tgttgcccag 240

gctggtctcg aactcctaac cttgtgatct gcccacctcg gcctcccaaa ctgctgggag 300

tacaggcaat ctgaattcgt cgacaagctt ctcgagccta ggctagctct agaccacacg 360

tgtgggggcc cgagctcgcg gccgctgtat tctatagtgt cacctaaatg ggccgcacaa 420

ttcactgggc ccgtcgtttt acaacgtcgt gactgggaaa accctgggcg ttacccaact 480

taatcgccct tgcagcacat ccccctttcg ccagcttggc 520

<210> 58
<211> 610
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-297_m740_SZ (see Figure 3)

<400> 58
tatgaccatc attacgccaa gctctaatac gactcactat agggaaagct cggtaccacg 60

catgctgcag acgcgttacg tatcggatcc agaattcgtg attggagggt gtttgcacaa 120

tctcagctca ccgaaacctc cgcctcacag gttcaagtga ttcctctgcc tcagccttct 180

gagtagctag gatgacaagc atttgccatg atacctggct aattttgtat ttttagtaga 240

gaccaggatt cttcatgttg ataaggtggt tcttgaactc ctgacctcag atgatccatc 300

tgatttggcc tcccaaactg ctgggagtac aggcaatctg aattcgtcga caagcttctc 360

gagcctaggc tagctctaga ccacacgtgt gggggcccga gctcgcggcc gctgtattct 420

atagtgtcac ctaaatggcc gcacaattca ctggccgtcg ttttacaacg tcgtgactgg 480

gaaaaccctg gcgttaccca acttaatcgc cttgcagcac atccccctttt cgccagctgg 540

cgtaatagcg aagaggccgc accgatcgcc cttcccaaca gttgcgcagc ctgaatggcg 600

aatggaaatt 610

<210> 59
<211> 499
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-298_m57_Ctrl (see Figure 3)

<400> 59
gtcccgatct aatacgactc actataggga aagctcggta ccacgcatgc tgcagacgcg 60

ttacgtatcg gatccagaat tcgtgattgg agggtgtttg cacaatctca gctcaccgaa 120

acctccgcct cacaggttca agtgattcct ctgcctcagc cttctgagta gctaggatga 180

caagcatttg ccatgatacc tggctaattt tgtatttta gtagagacca ggattcttca 240

tcgttgataa ggtggttctt gaactcctga cctcagatga tccatctgat ttggcctccc 300

aaactgctgg gagtacaggc aatctgaatt cgtcgacaag cttctcgagc ctaggctagc 360

tctagaccac acgtgtgggg gcccgagctc gcggccgctg tattctatag tgtcacccta 420

aatggccgca caattcactg ggccgtcgtt ttacaacgtc gtgactggga aaaccctggg 480

cgttacccca acttaatcg 499

<210> 60
<211> 383
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, g, c, or t

<220>
<221> misc_feature
<223> Alu sequence cloned from E-299_m57_Ctrl (see Figure 3)

<400> 60
gtcaagatcg aataggactc actataggga aagctcggta ccacgcatgc tgccgacgcg 60

ttacgtatcg gatccagaat tcgtgattgc ctgtactccc agcactttgg gagggcaaat 120

cagatggatc atctgaggtc aggagttcaa gaaccatcct tatcaacatg aagaatcctg 180

gtctctacta aaaatacaac attagccagg tatcatggca aatgcttgtc atcctagcta 240

ctcacaaggc tgaggcagag gaatcacttg aacctgtgag gcgcaggttt cggtgagctg 300

agattgtgca aacaccctcc aatctgaatt cgtcgacaag ctctctcgag cctaggctag 360

ctttaganca cacgtgtggg ggc 383

<210> 61
<211> 360
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-300_m57_Ctrl (see Figure 3)

<400> 61
gttgaaacgg caagatctaa tacgactcac tatagggaaa gctcggcact acgcatgctg 60

cagacgtgtt gacgtatcgg atccagaatt cgtgattgga gggcgtttgc gcaatcttga 120

ctaactgcaa catctgcctc ccaggctcaa gcaattctgc ctcagttttc tgagcagctg 180

ggattacaga tgagcactac catgacaggc taatttttat atttttacta gaggcgggga 240

ttcaccatgt cggccaggtt ggtcatgaac tcctgacctc aggcgattca cctgcctccg 300

cctcccaaac tgctgggagt acaggcaatc tgaattcgtc gacaagcttc tcgagcctag 360

<210> 62
<211> 526
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-304_m57_Ctrl (see Figure 3)

<400> 62
ctacgtacgc tctaatacga ctcactatag ggaaagctcg gtaccacgca tgctgcagac 60

gcgttacgta tcggatccag aattcgtgat tggagggtgt ttgcacaatc tcagctcacc 120

gaaacctccg cctcacaggt tcaagtgatt cctctgcctc agccttctga gtagctagga 180

tgacaagcat ttgccatgat acctggctaa ttttgtattt ttagtagaga ccaggattct 240

tcatgttgat aaggcggttc ttgaactcct gacctcagat gatccatctg atttggcctc 300

ccaaactgct gggagtacag gcaatctgaa ttcgtcgaca agcttctcga gcctaggcta 360

gctctagacc acacgtgtgg gggcccgagc tcgcggccgc tgtattctat agtgtcacct 420

aaatggcccg cacaattcac tggccgtcgt tttacaacgt cgtgactggg aaaaccctgg 480

cgttacccaa cttaatcgcc ttgcagcaca tccccctttc gccagc 526

<210> 63
<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-305_m740_SZ (see Figure 3)

<400> 63
ttacgccaag ctctaatacg actcactata gggaaagctc ggtaccacgc atgctgcaga 60

cgcgttacgt atcggatcca gaattcgcga ttggagggtg tttgcacaat ctcagctcac 120

cgaaacctcc gcctcacagg ttcaagtgat tcctctgcct cagccttctg agtagctagg 180

atgacaagca tttgccatga tacctggcta attttgtatt tttagtagag accaggattc 240

ttcatgttga taaggtggtt cttgaactcc tgacctcaga tgatccatct gatttggcct 300

cccaaactgc tgggagtaca ggcaatctga attcgtcgac aagcttctcc gagcctaggc 360

tagctctaga ccacacgtgt gggggccgag ctcgcggccg ctgtattcta tagtgtcacc 420

taaatggccg cacaattcac tggccgtcgt ttttacaacg 460

<210> 64
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-308_m74_SZ (see Figure 3)

<400> 64
ttacgtcaag ctctaatacg actcactata gggaaagctc ggtaccacgc atgctgcaga 60

cgcgttacgt atcggatcca gaattcgtga ttggagggtg tttgcacaat ctcagctcac 120

cgaaatctcc gcctcacagg ttcaagtgat tcctctgcct cagccttctg agtagctagg 180

atgacaagca tttgccatga tacctggcta attttgtatt tttagtagag accaggattc 240

ttcatgttga taaggtggtt cttgaactcc tgacctcaga tgatccatct gatttggcct 300

cccaaactgc tgggagtaca ggcaatctga attcgtcgac aagcttctcg agcctaggct 360

agctctagac cacacgtgtg ggggcccgag ctcgcggccg ctgtattcta tagtgtcacc 420

taaatggccg cacaattcac tggccgtcgt tt 452

<210> 65
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-309_m74_SZ (see Figure 3)

<400> 65
aggcaagatc taatacgact cactataggg aaacgctcgg taccacgcat gctgcagacg 60

cgttacgtat cggatccaga attcgtgatt gcctgtactc ccacgcagtt tgggaggcca 120

aatcagatgg atcatctgag gtcaggagtt caagaaccac cttatcaaca tgaagaatcc 180

tggtctctac taaaaataca acattagcca ggtatcatgg caaatgcttg tcatcctagc 240

tactcagaag gctgaggcag aggaatcact tgaacctgtg aggcggaggt ttcggtgagc 300

tgagattgcg caaacaccct ccaatctgaa ttcctctgac aagcttctcg agcctaggct 360

agctctagac cccacgtgtg ggggcccgag ctcgccgtcg ctgtatttct atagtcgtc 419

<210> 66
<211> 500
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-310_m74_SZ (see Figure 3)

<400> 66
ttacgtcacc gctctaatac gactcactat agggaaagct cggtaccacg catgctgcag 60

acgcgttacg tatcggatcc agaattcgtg attggagggt gtttgcacaa tctcagctca 120

ctgcaacctc tgcctctcag gttcaagtga ttctcctgcc tcatcctccc cagtagctgg 180

gtttacaggc atgcaccacc acagctggct aatttttgta tttttagtag agatggggtt 240

tcaccatgtt ggacaggcta gtcttgaact cctgacctca agtgatccac ccgcctcagc 300

ctctcaaact gctgggagta caggcaatct gaattcgtcg acaagcttct cgagcctagg 360

ctagctctag accacacgtg tgggggcccg agctcgcggc cgctgtattc tatagtgtca 420

cctaaatggg ccgcacaatt cactggccgt ccgttttaca acgtccgtga ctgggaaaac 480

cctggcgtta cccaacttaa 500

<210> 67
<211> 480
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-311_m74_SZ (see Figure 3)

<400> 67
aaacgccaag ctctaatacg actcactata gggaaagctc ggtaccacgc atgctgcaga 60

cgcgttacgt atcggatcca gaattcgtga ttgcctgtac tcccagcagt ttgggaggcc 120

gaggtgggtg gatcacctga ggctgagagt tcgagaccag cctagccaac atggtgaaac 180

cctgtctcta ctaaaaatac aaaaattagc caggcaaggc agcacacgcc tgtaattcca 240

cctactcggg atgctgaggc atgagaatcg cttgaacctg ggaggtggag cttgcagtga 300

actgagattg tgcaaacacc ctcaatctga attcgtcgac aagcttctcg agcctaggct 360

agctctagac cacacgtgtg ggggcccgag ctcgccggcc gctgtattct attagtgtca 420

cctaaatggg ccgcacaatt cactggccgt ccgttttaca acgtcgtgac tgggaaaacc 480

<210> 68
<211> 390
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-312_m74_SZ (see Figure 3)

<400> 68
cgaatacgac tactatacgg aaagctcggt accacgcatg ctgcacacgc gttacgcatc 60

ggatccagaa ttcgtgattg cctgtactcc cagcagtttg ggagggcaaa tcagatggat 120

catctgaggt caggagttca agaaccacct tatcaacatg aagaatcctg gtctctacta 180

aaaatacaaa attagccagg tatcatcggc aaatgcttcg tcatcctagc tactcagaag 240

gctgaggcag aggagtcact tgaacctgtg aggcggagga aacggcgaga tgagattgtg 300

caaacaccct ccaatttgaa attcgtcgac aagcttctcc gagctctagg ctagctctag 360

acccacacgt gtgggggccc cgagctcgcg 390

<210> 69
<211> 547
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-313_m74_SZ (see Figure 3)

<400> 69
tatgacatga ttacgccaag ctctaatacg actcactata gggaaagctc ggtaccacgc 60

atgctgcaga cgcgttacgt atcggatcca gaattcgtga ttgcctgtac tcccagcagt 120

ttgggaggct gagacaggtg gaacacttga ggccaggagt ttgcaaccag cctggccaac 180

atggtgaaac cctatctcta ccacaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaattagc 240

ctggcatggt ggtgcgtgcc tgtaatccca gctactcagg aggctgaggc acgagaatcg 300

cttgaacccg gtgggcaagg gttgcagcga tccgagattg tgcaaacacc ctccaatctg 360

aattcgtcga caagcttctc gagcctaggc tagctctaga ccacacgtgt gggggcccga 420

gctcgcggcc gctgtattct atagtgtcac ctaaatggcc gcacaattca ctggccgtcg 480

ttttacaacg tcgtgactgg gaaaaccctg gcgttaccca acttaatcgc cttgcagcac 540

atccccc 547

<210> 70
<211> 579
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-315_m74_SZ (see Figure 3)

<400> 70
tgattacgcc aagctctaat acgactcact atagggaaag ctcggtacca cgcatgctgc 60

agacgcgtta cgtatcggat ccagaattcg tgattggagg gtgtttgcac aatctcggct 120

cactgcaact tctgcctcct gggttcacac tgttctcctg cctaagcctc ccaagtagct 180

gggactacag gcgcgtgcca ccatgcccgg ctaatttttt gtatttttag tagagaaggg 240

gtttcaccgt gttagccagg atggtctcga tctcctgata ttgtgatcca cccgcctcgg 300

cctctcaaac tgctgggagt acaggcaatc tgaattcgtc gacaagcttc tcgagcctag 360

gctagctcta gaccacacgt gtgggggccc gagctcgcgg ccgctgtatt ctatagtgtc 420

acctaaatgg ccgcacaatt cactggccgt cgttttacaa cgtcgtgact gggaaaaccc 480

tggcgttacc caacttaatc gccttgcagc acatcccccc ttcgccagct ggcgtaatag 540

cgaagaggcc gcaccgatcg cccttcccaa cagttgcgc 579

<210> 71
<211> 563
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-314_m74_SZ (see Figure 3)

<400> 71
attacgccaa gctctaatac gactcactat agggaaagct cggtaccacg catgctgcag 60

acgcgttacg tatcggatcc agaattcgtg attggagggt gtttgcacaa tctcggctca 120

ctgcaacttc tgcctcctgg gttcacactg ttctcctgcc taagcctccc aagtagctgg 180

gactacaggc gcgtgccacc atgcccggct aatttttttgt atttttagta gagaaggggt 240

ttcaccgtgt tagccaggat ggtctcgatc tcctgatatt gtgatccacc cgcctcggcc 300

tctcaaactg ctgggagtac aggcaatctg aattcgtcga caagcttctc gagcctaggc 360

tagctctaga ccacacgtgt gggggcccga gctcgcggcc gctgtattct atagtgtcac 420

ctaaatggcc gcacaattca ctggccgtcg ttttacaacg tcgtgactgg gaaaaccctg 480

gcgttaccca acttaatcgc cttgcagcac atccccctttt cgccagctgg cgtaatagcg 540

aagaggccgc accgatcgcc ctt 563

<210> 72
<211> 573
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-319_m74_SZ (see Figure 3)

<400> 72
tatgaccatg attacgccaa gctctaatac cgactcacta tagggaaacg ctcggtacca 60

cgcatgctgc agacgcgtta cgtatcggat ccagaattcg tgattgcctg tactcccagc 120

agtttgggag gccgaggtgg gtggatcacc tgaggtcagg agttcgagac cagcctggcc 180

aacgtagtga aaaccccatc tctactaaaa atacaaaaaa acttagccag gggtggtggt 240

gggcacctat aatcccagct acttaggagg ctgaggctgg agaatcgttt gaacctggga 300

gggagaggtt gcagtgagct gagattgtgc aaacaccctc caatctgaat tcgtcgacaa 360

gcttctcgag cctaggctag ctctagacca cacgtgtggg ggcccgagct cgcggccgct 420

gtattctata gtgtcaccta aatggccgca caattcactg ggccgtcgtt ttacaacgtc 480

gtgactggga aaaccctggc gttacccaac ttaatcgcct tgcagcacat ccccctttcg 540

ccagctggcg taataacgaa gaggccgcac cga 573

<210> 73
<211> 650
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-320_m74_SZ (see Figure 3)

<400> 73
atgattacgc caagctctaa tacgactcac tatagggaaa gctcggtacc acgcatgctg 60

cagacgcgtt acgtatcgga tctgaattcg tcgacaagct tctcgagcct aggctagctc 120

tagaccacac gtgtgggggc ccgagctcgc ggccgctgta ttctatagtg tcacctaaat 180

ggccgcacaa ttcactggcc gtcgttttac aacgtcgtga ctgggaaaac cctggcgtta 240

cccaacttaa tcgccttgca gcacatcccc ctttcgccag ctggcgtaat agcgaagagg 300

cccgcaccga tcgcccttcc caacagttgc gcagcctgaa tggcgaatgg aaattgtaag 360

cgttaatatt ttgttaaaat tcgcgttaaa tttttgttaa atcagctcat tttttaacca 420

ataggccgaa atcggcaaaa tcccttataa atcaaaagaa tagaccgaga tagggttgag 480

tgttgttcca gtttggaaca agagtccact attaaagaac gtggactcca acgtcaaagg 540

gcgaaaaacc gtctatcagg gcgatggccc actacgtgaa ccatcaccct aatcaagttt 600

tttggggtcg aggtgccgta aagcactaaa tcggaaccct aaagggagcc 650

<210> 74
<211> 600
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-321_m74_SZ (see Figure 3)

<400> 74
tatgaccatg attacgccaa gctctaatac gactcactat agggaaagct cggtaccacg 60

catgctgcag acgcgttacg tatcggatcc agaattcgtg attggagggt gtttgcacaa 120

tctcggctca ctgcaacttc tgcctcctgg gttcacactg ttctcctgcc taagcctccc 180

aagtagctgg gactacaggc gcgtgccacc atgcccggct aatttttttgt atttttagta 240

gagaaggggt ttcaccgtgt tagccaggat ggtctcgatc tcctgatatt gtgatccacc 300

cgcctcggcc tctcaaactg ctgggagtac aggcaatctg aattcgtcga caagcttctc 360

gagcctaggc tagctctaga ccacacgtgt gggggcccga gctcgcggcc gctgtattct 420

atagtgtcac ctaaatggcc gcacaattca ctgggccgtc gttttacaac gtcgtgactg 480

ggaaaaccct ggcgttaccc aacttaatcg ccttgcagca catccccctt tcgccagctg 540

gcgtaatagc gaagaggccc gcacccgatc gcccttccca acagttgcgc agcctgaatg 600

<210> 75
<211> 600
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-322_m74_SZ (see Figure 3)

<400> 75
acgtacgctc taatacgact cactataggg aaagctcggt accacgcatg ctgcagacgc 60

gttacgtatc ggatccagaa ttcgtgattg gagggtgttt gcacaatctt ggctcactgt 120

aacctctgcc tcctgggttc aagtaattct cctgtctcag cctcctgagt agctaggatt 180

actggtgccc gccaccatgc ccggcgaatt tttgtatttt tagtagagat ggggtttcac 240

tatgttgccc agggtggtct caaactcctg acctcaagtg atccacctgc ttcagcttcc 300

caaactgctg ggagtacagg caatctgaat tcgtcgacaa gcttctcgag cctaggctag 360

ctctagacca cacgtgtggg ggcccgagct cgcggccgct gtattctata gtgtcaccta 420

aatggccgca caattcactg gccgtcgttt tacaacgtcg tgactgggaa aaccctggcg 480

ttacccaact taatcgcttg cagcacatcc ccctttcgc cagctggcgt aatagcgaag 540

aggcccgcac ccgatcgccc cttcccaaca gttgcgcagc ctgaatggcg aatggaaatt 600

<210> 76
<211> 407
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-323_m74_SZ (see Figure 3)

<400> 76
aaacgcaagc tctaatacga ctcactatag ggaaagttcg gtaccacgca tgctgcagac 60

gcgttacgta tcggatccag aattcgtgat tgcctgtact cccagcacgt ttgggaagcc 120

gaggtgggaa gatcgcttcg aggtcaggag ttcaagacca gcctggccaa catggcaaaa 180

cctcgtctct actaaaaata caaaacttag ccaggccgtg ttggcatcgc acccatagtc 240

cctgctaatc aggaggctga ggcttgaaca tgggaggtgg aggctgcagt gagctgagat 300

tgtgcaaaca ccctccaatc tgaattcgtc gacaagcttc tcgagcctag gctagctcta 360

gaccacacgt gtgggggccc gagctcgcgg ccgctgtatt ctatagt 407

<210> 77
<211> 600
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-324_m74_SZ (see Figure 3)

<400> 77
gttaagatct aatacgactc actataggga aagctcggta ccacgcatgc tgcagacgcg 60

ttacgtatcg gatccagaat tcgtgattgg agggtgtttg cacaatctca gctcactgca 120

acctccacct ctacgactca agtgattatc ccacctcaac ctcccaagta gcagggactg 180

aaggtgtgct ttgccacgcc cagctaattt tttgtatttt ttgtagagac ggattttcac 240

catgtagccc aggctggtct caaactcctg agcttaagcg atccaccttc ctggacctcc 300

caaactgctg ggagtacagg caatctgaat tcgtcgacaa gcttctcgag cctaggctag 360

ctctagacca cacgtgtggg ggcccgagct cgcggccgct gtattctata gtgtcaccta 420

aatgggccgc acaattcact ggccgtcgtt ttacaacgtc gtgactggga aaaccctggc 480

gttacccaac ttaatcgcct tgcagcacat ccccctttcg ccagctggcg taatagcgaa 540

gaggccgcac cgatcgccct tcccacagtt gcgcagcctg aatggcgaat ggaaatttaa 600

<210> 78
<211> 501
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-325_m74_SZ (see Figure 3)

<400> 78
cagctatgac catgattacg ccaagctcta atacgactca ctatagggaa agctcggtac 60

cacgcatgct gcagacgcgt tacgtatcgg atccagaatt cgtgatttgc cttgtactcc 120

cagcagtttg ggaggctgag gcaggtgaat cacctgaggt caggagttca tgaccagcct 180

ggccaacatg gtgaaacccc gcctctacta aaaatataaa aattagcctg tcatggtagt 240

gctcatctgt aatcccagct gctcaggaag ctgaggcaga atttgcttga acctgggagg 300

cagatgttgc agttagtcaa gattgtgcaa acaccctcca atctgaattc gtcgacaagc 360

ttctcgagcc taggctagct ctagaccaca cgtgtggggg cccgagctcg cggccgctgt 420

attctatagt gtcacctaaa tggccgcaca attcactggc cgtcgtttta caacgtcgtg 480

actgggaaaa cctggcgtta c 501

<210> 79
<211> 600
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-149_m48_SZ (see Figure 3)

<400> 79
acgcttccaa ggattcaaca agctctaata cgactcacta tagggaaagc tcggtaccac 60

gcatgctgca gacgcgttac gtatcggatc cagaattcgt gattagggtg tttgcacaat 120

ctcggctcat tgtaacctct gcctcccagg ttgcagtgat tctcctgtct cagcctccca 180

agtagctggc attacaggtt cccaccacta cacccaacta atttttgtat ttttagcaga 240

aatggggttt ccccatgttg acctggctgg tctcgaactc ctgaccttgt gatctgcccg 300

ccttggcctc ccaaactgct gggagtacag gcaatctgaa ttcgtcgaca agcttctcga 360

gcctaggcta gctctagacc acacgtgtgg gggcccgagc tcgcggccgc tgtattctat 420

agtgtcacct aaatggccgc acaattcact ggccgtcgtt ttacaacgtc gtgactggga 480

aaaccctggc gttacccaac ttaatcgcct tgcagcacat ccccctttcg ccagctggcg 540

taatagcgaa gaggcccgca ccgatcgccc ttcccaacag ttgcgcagcc tgaatggcga 600

<210> 80
<211> 480
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-302_m57_Ctrl (see Figure 3)

<400> 80
gattacgcca agctctaata ctactcacta tagggaaagc tcggtaccac gcatgctgca 60

gacgcgttac gtatcggatc cagaattcgt gattggaggg tgtttgcaca atctcagctc 120

accgaaacct ccgcctcaca ggttcaagtg attcctctgc ctcagccttc tgagtagcta 180

ggacgacaag catttgccat gatacctggc taattttgta tttttagtag agaccaggat 240

tcttcatgtt gataaggtgg ttcttgaact cctgacctca gatgatccac ctgatttggc 300

ctcccaaact gctgggagta caggcaatct gaattcgtcg acaagcttct cgagcctagg 360

ctagctctag accacacgtg tgggggcccg agctcgcggc cgctgtattc tatagtgtca 420

cctaaatggc cgcacaattc actggccgtc gttttacaac gtcgtgactg ggaaaacctg 480

<210> 81
<211> 610
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-119m57Ctrl (see Figure 3)

<400> 81
cagctatgac catgattacg ccaagctcta atacgactca ctatagggaa agctcggtac 60

cacgcatgct gcagacgcgt tacgtatcgg atccagaatt cgtgattgcc tgtactccca 120

gcagtttggg aggcagaggc aggtggatca cctgaggtcg ggagttcgag aaccgcctga 180

ccaacatgga gaaaccccgt ctctgctaaa aatacaaaat tagctaggta tggtggtact 240

tgcccgtaat cccagctatt cagaaggctg aggcaggaga gtcacttgaa cccaggagtc 300

agaggttgca gtcagctgag attgtgcaaa caccctccaa tctgaattcg tcgacaagct 360

tctcgagcct aggctagctc tagaccacac gtgtgggggc ccgagctcgc ggccgctgta 420

ttctatagtg tcacctaaat ggccgcacaa ttcactggcc gtcgttttac aacgtcgtga 480

ctgggaaaac cctggcgtta cccaacttaa tcgccttgca gcacatcccc ctttcgccag 540

ctggcgtaat agcgaagagg cccgcaccga tcgcccttcc caacagttgc gcagcctgaa 600

tggcgaatgg 610

<210> 82
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-120m57Ctrl (see Figure 3)

<400> 82
aatagctatg cccatgatta cgccaagctc taatacgact cactataggg tatgctcgga 60

gctaggcatg ctgcagacgc gttacgcatt acgatccaga atccagagat tggaggtggc 120

tggcgtaata tcggtttagt gggacctgtg cctccgggtt ccaggtgttg ctagtgtttg 180

aacctcctga gcatcattgg ataacagtag cctctcacca tgctcatctt gtgcttgtat 240

tggtggcagc ggtccaccat gccggttatg ctgaactcgg actcatcacc ttaaattaac 300

cacctgcctc agactccgaa actgctggta gtacaggcaa tctgcattcg tctgcattct 360

tctacagcct aggctagcta tagaccacac ttgaccacgg cccgagctcc cggccgcttg 420

gattctatag tgtcatataa aggcccgaac aattcactgc accgtagttt 470

<210> 83
<211> 620
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<223> Alu sequence cloned from E-166m50Ctrl (see Figure 3)

<400> 83
aacagctatg accatgatta cgccaagctc taatacgact cactataggg aaagctcggt 60

accacgcatg ctgcagacgc gttacgtatc ggatccagaa ttcgtgattg gagggtgttt 120

gcacaatctc ggcccactgc aacctccgcc tcccgggtgc aagcagttct cctacctcag 180

cctcctgagt agctaggatt acaggcacac ctggctaatt ttgtggtttt agtagagacg 240

gcgtttcacc atgttggcta ggctggtctc gaactcctca cctcaaatga tccacctgcc 300

tcagcctccc aaactgctgg gagtacaggc aatctgaatt cgtcgacaag cttctcgagc 360

ctaggctagc tctagaccac acgtgtgggg gcccgagctc gcggccgctg tattctatag 420

tgtcacctaa atggccgcac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa 480

accctggcgt tacccaactt aatcgccttg cagcacatcc cctttcgcc agctggcgta 540

atagcgaaga ggcccgcacc gatcgccttc ccaacagttg cgcagcctga atggcgaatg 600

gaaattgtaa gccgttaata 620

<210> 84
<211> 600
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-167m50Ctrl (see Figure 3)

<400> 84
actttatgac atgattacgc caagctctaa tacgactcac tatagggaaa gctcggtacc 60

acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattggag ggtgtttgca 120

caatctcagc tcaccgaaac ctccgcctca caggttcaag tgattcctct gcctcagcct 180

tctgagtagc taggatgaca agcatttgcc atgatacctg gctaattttg tatttttagt 240

agagaccagg attcttcatg ttgataaggt ggttcttgaa ctcctgacct cagatgatcc 300

atctgatttg gcctcccaaa ctgctgggag tacaggcaat ctgaattcgt cgacaagctt 360

ctcgagccta ggctagctct agaccacacg tgtgggggcc cgagctcgcg gccgctgtat 420

tctatagtgt cacctaaatg gccgcacaat tcactggccg tcgttttaca acgtcgtgac 480

tgggaaaacc ctggcgttac ccaacttaat cgccttgcag cacatccccc tttcgccagc 540

tggcgtaata gcgaagaggc ccgcaccgat cgccttccca acagttgcgc agcctgaatg 600

<210> 85
<211> 480
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-169m50Ctrl (see Figure 3)

<400> 85
aagcttgacc atgattacgc caagctctaa tacgactcac tatagggaaa gctcggtacc 60

acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattgcct gtactcccag 120

cagtttggga ggctgaagtg ggttgattac ccgaggtcag gagttccaga ccaggttgac 180

caacatggag aaaccctgtc tctactaaaa atacataatt agccaggtgt attggagcgt 240

gcctgtattc ccagctactt gggaggccga ggcaggagaa tctgctggaa cccacgatgg 300

cggaggttgt ggagagctga gattgtgcaa acaccctcca atctgaattc gtctacaagc 360

ttctcgagcc taggttagct ctagaccaca cgtgtggggg cccgagctcg cggacgctgt 420

attctatagt gtcacctaaa tggccgcaca attcactggc cgacgtttta caacgtggtg 480

<210> 86
<211> 610
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-270m50Ctrl (see Figure 3)

<400> 86
ctcactatag ggaaagctcg gtaccacgca tgctgcagac gcgttacgta tcggatccag 60

aattcgtgat tgcctgtact cccagcagtt tgggaggcca aatcagatgg atcatctgag 120

gtcaggagtt caagaaccac cttatcaaca tgaagaatcc tggtctctac taaaaataca 180

aaattagcca ggtatcatgg caaatgcttg tcatcctagc tactcagaag gctgaggcag 240

aggaatcact tgaacctgtg aggcggaggt ttcggtgagc tgagattgtg caaacaccct 300

ccaatctgaa ttcgtcgaca agcttctcga gcctaggcta gctctagacc acacgtgtgg 360

gggcccgagc tcgcggccgc tgtattctat agtgtcacct aaatggccgc acaattcact 420

ggccgtcgtt ttacaacgtc gtgactggga aaaccctggc gttacccaac ttaatcgcct 480

tgcagcacat ccccctttcg ccagctggcg taatagcgaa gaggcccgca ccgatcgccc 540

ttcccaacag ttgcgcagcc tgaatggcga atggaaattg taagcgttaa tattttgtta 600

aaattcgcgt 610

<210> 87
<211> 601
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-271m50Ctrl (see Figure 3)

<400> 87
ttgcccatgc ttacgccaag ctctaatacg actcactata gggaaagctc ggtaccacgc 60

atgctgcaga cgcgttacgt atcggatcca gaattcgtga ttggagggtg tttgcacaat 120

ctcagctcac catgacctct gcctcctggg ttcaagcgat tctctggact cagcctcctg 180

agtagctgga attacaggga ttcgccacca tgcccagcta attttgtatg tttagtagag 240

acagggtttc tccaaattgg tcaggctggt ctcgaactcc cgacctcagg tgatccgccc 300

gccttggcct cccaaactgc tgggagtaca ggcaatctga attcgtcgac aagcttctcg 360

agcctaggct agctctagac cacacgtgtg ggggcccgag ctcgcggccg ctgtattcta 420

tagtgtcacc taaatggccg cacaattcac tggccgtcgt tttacaacgt cgtgactggg 480

aaaaccctgg cgttacccaa cttaatcgcc ttgcagcaca tccccctttc gccagctggc 540

gtaatagcga agaggcccgc accgatcgcc cttcccaaca gttgcgcagc ctgaatggcg 600

a 601

<210> 88
<211> 601
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-272m50Ctrl (see Figure 3)

<400> 88
caataccgct tgaccatgat tacgccaagc tctaatacga ctactatagg gaaagctcgg 60

taccacgcat gctgcagacg cgttacgtat cggatccaga attcgtgatt ggagggtgtt 120

tgcacaatct cagctcactg cagcctcctc cctctgaggt caagtgatac tgctgcctca 180

gcctcctgag tagctgggat tacaggcacc caccaccaac cctggccaat ttttgtattt 240

ttagtagaga cagagtttca ccatgctggc caggctggtc tcaaactcct gccctcagat 300

gttccaccca ccttggcctc ccaaactgct gggagtacag gcaatctgaa ttcgtcgaca 360

agcttctcga gcctaggcta gctctagacc acacgtgtgg gggcccgagc tcgcggccgc 420

tgtattctat agtgtcacct aaatggccgc acaattcact ggccgtcgtt ttacaacgtc 480

gtgactggga aaaccctggc gttacccaac ttaatcgcct tgcagcacat ccccctttcg 540

ccagctggcg taatagcgaa gaggcccgca ccgatcgccc ttccaacagt tgcgcagcct 600

g 601

<210> 89
<211> 479
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-273m50Ctrl (see Figure 3)

<400> 89
gctcggtacc acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattggag 60

ggtgtttgca caatctcagc tcaccgaaac ctccgcctca caggttcaag tgattcctct 120

gcctcagcct tctgagtagc taggatgaca agcatttgcc atgatacctg gctaattttg 180

tatttttagt agagaccagg attctttatg ttgataaggt ggttcttgaa ctcctgacct 240

cagatgatcc atctgatttg gcctcccaaa ctgctgggag tacaggcaat ctgaattcgt 300

cgacaagctt ctcgagccta ggctagctct agaccacacg tgtgggggcc cgagctcgcg 360

gccgctgtat tctatagtgt cacctaaatg gccgcacaat tcactggccg gcgttttaca 420

acgtcgcgac tgggaaaacc ctggcgttac ccaacttaat cgccttgcag cacatcccc 479

<210> 90
<211> 600
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<223> Alu sequence cloned from E-275m50Ctrl (see Figure 3)

<400> 90
accatgatta cgccaagctc taatacgact cactataggg aaagctcggt accacgcatg 60

ctgcagacgc gttacgtatc ggatccagaa ttcgtgattg gagggtgttt gcacaatctc 120

agctcaccga aacctccgcc tcacaggttc aagtgattcc tctgcctcag ccttctgagt 180

agctaggatg acaagcattt gccatgatac ctggctaatt ttgtattttt agtagagacc 240

aggattcttc atgttgataa ggtggttctt gaactcctga cctcagatga tccatctgat 300

ttggcctccc aaactgctgg gagtacaggc aatctgaatt cgtcgacaag cttctcgagc 360

ctaggctagc tctagaccac acgtgtgggg gcccgagctc gcggccgctg tattctatag 420

tgtcacctaa atggccgcac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa 480

accctggcgt tacccaactt aatcgccttg cagcacatcc ccctttcgcc agctggcgta 540

atagcgaaga ggcccgcacc gatcgccctt cccaacagtt gcgcagcctg aatggcgaat 600

<210> 91
<211> 610
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-279m50Ctrl (see Figure 3)

<400> 91
aagaccatga taacgccaag ctctaatacg actcactata gggaaagctc ggtaccacgc 60

atgctgcaga cgcgttacgt atcggatcca gaattcgtga ttggagggtg tttgcacaat 120

ctcagctcac tgcagcctcc tccctctgag gtcaagtgat tctgctgcct cagcctcctg 180

agtagctggg attacaggca cccaccacca accctggcca atttttgtat ttttagtaga 240

gacagagttt caccatgctg gccaggctgg tctcaaactc ctgccctcag atgttccacc 300

caccttggcc tcccaaactg ctgggagtac aggcaatctg aattcgtcga caagcttctc 360

gagcctaggc tagctctaga ccacacgtgt gggggcccga gctcgcggcc gctgtattct 420

atagtgtcac ctaaatggcc gcacaattca ctggccgtcg ttttacaacg tcgtgactgg 480

gaaaaccctg gcgttaccca acttaatcgc cttgcagcac atccccctttt cgccagctgg 540

cgtaatagcg aagaggcccg caccgatcgc ccttcccaac agttgcgcag cctgaatggc 600

gaatggaaat 610

<210> 92
<211> 602
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-281m50Ctrl (see Figure 3)

<400> 92
aacagctatg accatgatta cgccaagctc taatacgact cactataggg aaagctcggt 60

accacgcatg ctgcagacgc gttacgtatc ggatccagaa ttcgtgattg gagggtgttt 120

gcacaatctc agctcaccga aacctccgcc tcacaggttc aagtgattcc tctgcctcag 180

ccttctgagt agctaggatg acaagcattt gccatgatac ctggctaatt ttgtattttt 240

agtagagacc aggattcttc atgttgataa ggtggttctt gaactcctga cctcagatga 300

tccatctgat ttggcctccc aaactgctgg gagtacaggc aatctgaatt cgtcgacaag 360

cttctcgagc ctaggctagc tctagaccac acgtgtgggg gcccgagctc gcggccgctg 420

tattctatag tgtcacctaa atggccgcac aattcactgg ccgtcgtttt acaacgtcgt 480

gactgggaaa accctggcgt tacccaactt aatcgccttg cagcacatcc ccctttcgcc 540

agctggcgta ataacgaaga ggcccgcacc gatcgccctt cccaacagtt gcgcagcctg 600

aa 602

<210> 93
<211> 601
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-283m56SZ (see Figure 3)

<400> 93
aacagctatg accatgatta cgccaagctc taatacgact cactataggg aaagctcggt 60

accacgcatg ctgcagacgc gttacgtatc ggatccagaa ttcgtgattg gagggtgttt 120

gcacaatctt ggctcactgt aacctctgcc tcttgggttc aagtaattct cctgtctcag 180

cctcctgagt agctaggatt actggtgccc gccaccatgc ccggcaaatt tttgtatttt 240

tagtagagat ggggtttcac tatgttgccc agggtggtct caaactcctg acctcaagtg 300

atccacctgc ttcagcttcc caaactgctg ggagtacagg caatctgaat tcgtcgacaa 360

gcttctcgag cctaggctag ctctagacca cacgtgtggg ggcccgagct cgcggccgct 420

gtattctata gtgtcaccta aatggccgca caattcactg gccgtcgttt tacaacgtcg 480

tgactgggaa aaccctggcg ttacccaact taatcgcctt gcagcacatc ccccttcgc 540

cagctggcgt aatagcgaag aggcccgcac cgatcgcctt cccaacagtt gcgcagcctg 600

a 601

<210> 94
<211> 620
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-284m56SZ (see Figure 3)

<400> 94
agctatgacc atgattacgc caagctctaa tacgactcac tatagggaaa gctcggtacc 60

acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattggag ggtgtttgca 120

caatctcagc tcaccgaaac ctccgcctca caggttcaag tgattcctct gcctcagcct 180

tctgagtagc taggatgaca agcatttgcc atgatacctg gctaattttg tatttttagt 240

agagaccagg attcttcatg ttgataaggt ggttcttgaa ctcctgacct cagatgatcc 300

atctgatttg gcctcccaaa ctgctgggag tacaggcaat ctgaattcgt cgacaagctt 360

ctcgagccta ggctagctct agaccacacg tgtgggggcc cgagctcgcg gccgctgtat 420

tctatagtgt cacctaaatg gccgcacaat tcactggccg tcgttttaca acgtcgtgac 480

tgggaaaacc ctggcgttac ccaacttaat cgccttgcag cacatccccc tttcgccagc 540

tggcgtaata gcgaagaggc ccgcaccgat cgccttccca acagttgcgc agcctgaatg 600

gcgaatggaa attgtaagcg 620

<210> 95
<211> 600
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<223> Alu sequence cloned from E-61m34BD (see Figure 3)

<400> 95
ttaaacagct atgaccatga ttacgccaag ctctaatacg actcactata gggaaagctc 60

ggtaccacgc atgctgcaga cgcgttacgt atcggatcca gaattcgtga ttggagggtg 120

tttgcacaat ctcggttcac tgcaacttct gcctcccagg ttcaagcaat tatctgcctc 180

agcctcccga gtagctggga ttacaggtgc ccgccaccac actcagctaa ttttcgtatt 240

tttagtagag acggtttcac catcttggct aggctggtct tgagctcctg actgcgtgat 300

ccacccgcct tggcccccca aactgctggg agtacaggca atctgaattc gtcgacaagc 360

ttctcgagcc taggctagct ctagaccaca cgtgtggggg cccgagctcg cggccgctgt 420

attctatagt gtcacctaaa tggccgcaca attcactggc cgtcgtttta caacgtcgtg 480

actgggaaaa ccctggcgtt acccaactta atcgccttgc agcacatccc cctttcgcca 540

gctggcgtaa tagcgaagag gcccgcaccg atcgcccttc ccaacagttg cgcagcctga 600

<210> 96
<211> 627
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-62m34BD (see Figure 3)

<400> 96
cttgaccatg attacgccaa gctctaatac gactcactat agggaaagct cggtaccacg 60

catgctgcag acgcgttacg tatcggatcc agaattcgtg attggagggt gtttgcacaa 120

tcttggctca ctgtaacctc tgcctcctgg gttcaagtaa ttctcctgtc tcagcctcct 180

gagtagctag gattactggt gcccgccacc atgcccggca aatttttgta tttttagtag 240

agatggggtt tcactatgtt gcccagggtg gtctcaaact cctgacctca agtgatccac 300

ctgcttcagc ttcccaaact gctgggagta caggcaatct gaattcgtcg acaagcttct 360

cgagcctagg ctagctctag accacacgtg tgggggcccg agctcgcggc cgctgtattc 420

tatagtgtca cctaaatggc cgcacaattc actggccgtc gttttacaac gtcgtgactg 480

ggaaaaccct ggcgttaccc aacttaatcg ccttgcagca catccccctt tcgccagctg 540

gcgtaatagc gaagaggccc gcaccgatcg cccttcccaa cagttgcgca gcctgaatgg 600

cgaatggaaa ttgtaagcgt taatatt 627

<210> 97
<211> 610
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-63m34BD (see Figure 3)

<400> 97
aacagctatg accatgatta cgccaagctc taatacgact cactataggg aaagctcggt 60

accacgcatg ctgcagacgc gttacgtatc ggatccagaa ttcgtgattg gagggtgttt 120

gcacaatctc agctcaccga aacctccgcc tcacaggttc aagtgattcc tctgcctcag 180

ccttctgagt agctaggatg acaagcattt gccatgatac ctggctaatt ttgtattttt 240

agtagagacc aggattcttc atgttgataa ggtggttctt gaactcctga cctcagatga 300

tccatctgac ttggcctccc aaactgctgg gagtacaggc aatctgaatt cgtcgacaag 360

cttctcgagc ctaggctagc tctagaccac acgtgtgggg gcccgagctc gcggccgctg 420

tattctatag tgtcacctaa atggccgcac aattcactgg ccgtcgtttt acaacgtcgt 480

gactgggaaa accctggcgt tacccaactt aatcgccttg cagcacatcc cctttcgcc 540

agctggcgta atagcgaaga ggcccgcacc gatcgccttc ccaacagttg cgcagcctga 600

atggcgaatg 610

<210> 98
<211> 577
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-66m39MD (see Figure 3)

<400> 98
tatgaccatg attacgccaa gctctaatac gactcactat agggaaagct cggtaccacg 60

catgctgcag acgcgttacg tatcggatcc agaattcgtg attggagggt gtttgcacaa 120

tctcagctca ccgaaacctc cgcctcacag gttcaagtga ttcctctgcc tcagccttct 180

gagtagctag gatgacaagc atttgccatg atacctggct aattttgtat ttttagtaga 240

gaccaggatt cttcatgttg ataaggtggt tcttgaactc ctgacctcag atgatccatc 300

tgatttggcc tcccaaactg ctgggagtac aggcaatctg aattcgtcga caagcttctc 360

gagcctaggc tagctataga ccacacgtgt gggggcccga gctcgcggcc gctgtattct 420

atagtgtcac ctaaatggcc gcacaattca ctggccgtcg ttttacaacg tcgtgactgg 480

gaaaaccctg gcgttaccca acttaatcgc ttgcagcaca tccccttttcg ccagctggcg 540

taatagcgaa gaggcccgca ccgatcgccc ttcccaa 577

<210> 99
<211> 680
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-68m39MD (see Figure 3)

<400> 99
cagctatgac catgattacg ccaagctcta atacgactca ctatagggaa agctcggtac 60

cacgcatgct gcagacgcgt tacgtatcgg atccagaatt cgtgattgga gggtgtttgc 120

acaatctcag ctcaccgaaa cctccgcctc acaggttcaa gtgattcctc tgcctcagcc 180

ttctgagtag ctaggatgac aagcatttgc catgatacct ggctaatttt gtatttttag 240

tagaggccag gattcttcat gttgataagg tggttcttga actcctgacc tcagatgatc 300

catctgattt ggcctcccaa actgctggga gtacaggcaa tctgaattcg tcgacaagct 360

tctcgagcct aggctagctc tagaccacac gtgtgggggc ccgagctcgc ggccgctgta 420

ttctatagtg tcacctaaat ggccgcacaa ttcactggcc gtcgttttac aacgtcgtga 480

ctgggaaaac cctggcgtta cccaacttaa tcgccttgca gcacatcccc ctttcgccag 540

ctggcgtaat agcgaagagg cccgcaccga tcgccttccc aacagttgcg cagcctgaat 600

ggcgaatgga aattgtaagc gttaatattt tgttaaaatt cgcgttaaat ttttgttaaa 660

tcaactcatt ttttaaccaa 680

<210> 100
<211> 581
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<223> Alu sequence cloned from E-71m39MD (see Figure 3)

<400> 100
aagattgacc atgattacgc caagctctaa tacgactcac tatagggaaa gctcggtacc 60

acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattggag ggtgtttgca 120

caatctcagc tcactgcaac cttcacctcc caggttcaag cgattctcat gcctcagcct 180

tccgaatagt tgagattaca ggctcgtgcc accacaccca gctaattttt tgtatttta 240

gtagagatgg ggtttcacca tgttggccag gctggtcttg agctcctgac ctcaagtaat 300

ctgcccacct cagcctccaa aactgctggg agtacaggca atctgaattc gtcgacaagc 360

ttctcgagcc taggctagct ctagaccaca cgtgtggggg cccgagctcg cggccgatgt 420

attctatagt gtcacctaaa tggccgcaca attcactggc cgtcgtttta caacgtcgag 480

actgggaaaa ccctggcgtt acccaactta atcgccttgc agcacatccc cctttcgcca 540

gctggcgtaa tagcgaagag gcccgcaccg atcgaccttt c 581

<210> 101
<211> 600
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-72m43BD (see Figure 3)

<400> 101
taaacacgtt gaccatgatt acgccaagct ctaatacgac tcactatagg gaaagctcgg 60

taccacgcat gctgcagacg cgttacgtat cggatccaga attcgtgatt ggagggtgtt 120

tgcacaatct cggctcactg caacatccgc ctcccgagta gctgggacca caggtgtgca 180

ccacctttcc gggctaattt ttgtattttt agtagagaca gggttttgcc atgttggtca 240

ggctggtctt gaactcctga cctcaggtga tttgcccacc tcagcctccc aaactgctgg 300

gagtacaggc aatctgaatt cgtcgacaag cttctcgagc ctaggctagc tctagaccac 360

acgtgtgggg gcccgagctc gcggccgctg tattctatag tgtcacctaa atggccgcac 420

aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa accctggcgt tacccaactt 480

aatcgccttg cagcacatcc cctttcgcc agctggcgta atagcgaaga ggcccgcacc 540

gatcgccctt cccaacagtt gcgcagcctg aatggcgaat ggaaattgta agcgttaata 600

<210> 102
<211> 622
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-74m43BD (see Figure 3)

<400> 102
aaacagctat gaccatgatt acgccaagct ctaatacgac tcactatagg gaaagctcgg 60

taccacgcat gctgcagacg cgttacgtat cggatccaga attcgtgatt ggagggtgtt 120

tgcacaatct cagctcattg cgagctccac ctcccaggtt caagcaattc tcctacctca 180

gcaactcctg agtagctgag actacaggtg tgtgccacta tgcctggcta actttttttg 240

tatttttagt agagacaggg tttcaccatg ttggccaggc tagtctcgaa cacctgacct 300

cagatgatcc acctgcctcg gcctcccaaa ctgctgggag tacaggcaat ctgaattcgt 360

cgacaagctt ctcgagccta ggctagctct agaccacacg tgtgggggcc cgagctcgcg 420

gccgctgtat tctatagtgt cacctaaatg gccgcacaat tcactggccg tcgttttaca 480

acgtcgtgac tgggaaaacc ctggcgttac ccaacttaat cgccttgcag cacatccccc 540

tttcgccagc tggcgtaata gcgaagaggc ccgcaccgat cgcccttccc aacagttgcg 600

cagctgaatg gcgaatggaa at 622

<210> 103
<211> 670
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-75m43BD (see Figure 3)

<400> 103
cagctatgac catgattacg ccaagctcta atacgactca ctatagggaa agctcggtac 60

cacgcatgct gcagacgcgt tacgtatcgg atccagaatt cgtgattgga gggtgtttgc 120

acaatcttgg ttcactacaa cctccaatct ccaggttcaa ggattctcct gcctcagact 180

cctgagtagc tgggattaca ggcatccacc aacatgcctg gctaattttt ttatttttag 240

cagagacggg gttttgccat attggccatg ctggtctcaa actcctgacc tcatgtgatc 300

cacccgcctt ggcctcccaa actgctggga gtacaggcaa tctgaattcg tcgacaagct 360

tctcgagcct aggctagctc tagaccacac gtgtgggggc ccgagctcgc ggccgctgta 420

ttctatagtg tcacctaaat ggccgcacaa ttcactggcc gtcgttttac aacgtcgtga 480

ctgggaaaac cctggcgtta cccaacttaa tcgccttgca gcacatcccc ctttcgccag 540

ctggcgtaat agcgaagagg cccgcaccga tcgcccttcc caacagttgc gcagcctgaa 600

tggcgaatgg aaattgtaag cgttaatatt ttgttaaaat tcgcgttaaa tttttgttaa 660

atcagctcat 670

<210> 104
<211> 570
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-77m43BD (see Figure 3)

<400> 104
cagctaacag ctatgacctg attacgccaa gctctaatac gactcactat agggaaagct 60

cggtaccacg catgctgcag acgcgttacg tatcggatcc agaattcgtg attgcctgta 120

ctcccagcag tttcggaggt tgaggcgggt ggattacctg aggtcaggag tttaagatca 180

gcctggccaa cctgatgaaa ccccatctct actaaaaata caaaaaatta gcctggtgtg 240

ttggtgggca tctgtaatcc cagctactcg ggaggctgag gcaggataat cacttgaacc 300

tgggaggtgg tggttgcagt gagctgagat tgtgcaaaca ccctccaatc tgaattcgtc 360

gacaagcttc tcgagcctag gctagctcta gaccacacgt gtgggggccc gagctcgcgg 420

ccgctgtatt ctatagtgtc acctaaatgg ccgcacaatt cactggccgt cgttttacaa 480

cgtcgtgact gggaaaaccc tggcgttacc caacttaatc gccttgcagc acatcccccc 540

ttcgccagct ggcgtaatag cgaagaggcc 570

<210> 105
<211> 601
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-78m43BD (see Figure 3)

<400> 105

acagctatga ccatgattac gccaagctct aatacgactc actataggga aagctcggta 60

ccacgcatgc tgcagacgcg ttacgtatcg gatccagaat tcgtgattgg agggtgtttg 120

cacaatctcg gctcaatgca acctcagcct cctgggttca agcaattctc ctgtctcagc 180

ctcccgagta gctgggatta caggcacatg ccaccatgcc caactaattt ttgtattttt 240

agtagagaca gggttttgcc atgttggcca ggctggtctc aaactcctga cctcaggtgg 300

tccaccggcc tcagcctccc aaactgctgg gagtacaggc caatctgaat tcgtcgacaa 360

gcttctcgag cctaggctag ctctagacca cacgtgtggg ggcccgagct cgcggccgct 420

gtattctata gtgtcaccta aatggccgca caattcactg gccgtcgttt tacaacgtcg 480

tgactgggaa aaccctggcg ttacccaact taatcgcctt gcagcacatc ccccttcgc 540

cagctggcgt aatagcgaag aggcccgcac cgatcgcctt ccaacagttg cgcagcctga 600

a 601

<210> 106
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-79m43BD (see Figure 3)

<400> 106
aacagctatg accatgatta cgccaagctc taatacgact cactataggg aaagctcggt 60

accacgcatg ctgcagacgc gttacgtatc ggatccagaa ttcgtgattg gagggtgttt 120

gcacaatctc agctcactgc aacctccgtt tcccaggtgc aaccgattct cctgcctcag 180

acctctgaag cggctgggac tacaggtgcc tgccacctca cccggctaat ttttgtattt 240

ttagtaagag atggggtttc accacattgg ccggggtggt ctcaaactcc tgacctcaag 300

tgatccttcc atcttggcct cccaaactgc tgggagtaca ggcaatctga attcgtcgac 360

aagcttctcg agcctaggct agctctatac cacacgtgtg ggggcccgag ctccgcggcc 420

gctgtattct atagtgttac ctaaatggcc ggacaattca ctggccgtcg gtttacaacg 480

tcaggactgg gaaaaccctg gcgttaccca acttaatgcc 520

<210> 107
<211> 591
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-83m43BD (see Figure 3)

<400> 107
cagctatgac catgattacg ccaagctcta atacgactca ctatagggaa agctcggtac 60

cacgcatgct gcagacgcgt tacgtatcgg atccagaatt cgtgattgga gggtgtttgc 120

acaatctcgg ctcaatgcaa cctcagcctc ctgggttcaa gcaattctcc tgtctcagcc 180

tcccgagtag ctgggattac aggcacatgc caccatgccc aactaatttt tgtattttta 240

gtagagacag ggttttgcca tgttggccag gctggtctca aactcctgac ctcaggtggt 300

ccaccggcct cagcctccca aactgctggg agtacaggcc aatctgaatt cgtcgacaag 360

cttctcgagc ctaggctagc tctagaccac acgtgtgggg gcccgagctc gcggccgctg 420

tattctatag tgtcacctaa atggccgcac aattcactgg ccgtcgtttt acaacgtcgt 480

gactgggaaa accctggcgt tacccaactt aatcgccttg cagcacatcc ccctttcgcc 540

agctggcgta atagcgaaga ggcccgcacc gatcgccttc caacagttgc g 591

<210> 108
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-167m50Ctrl (see Figure 3)

<400> 108
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 109
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<223> Alu sequence cloned from E-271m50Ctrl (see Figure 3)

<400> 109
cagctcacca tgacctctgc ctcctgggtt caagcgattc tctggactca gcctcctgag 60

tagctggaat tacagggatt cgccaccatg cccagctaat tttgtatgtt tagtagagac 120

agggtttctc caaattggtc aggctggtct cgaactcccg acctcaggtg atccgcccgc 180

cttggcctcc c 191

<210> 110
<211> 192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-272m50Ctrl (see Figure 3)

<400> 110
cagctcactg cagcctcctc cctctgaggt caagtgatac tgctgcctca gcctcctgag 60

tagctgggat tacaggcacc caccaccaac cctggccaat ttttgtattt ttagtagaga 120

cagagtttca ccatgctggc caggctggtc tcaaactcct gccctcagat gttccaccca 180

ccttggcctc cc 192

<210> 111
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-273m50Ctrl (see Figure 3)

<400> 111
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt tatgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 112
<211> 191
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-275m50Ctrl (see Figure 3)

<400> 112
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 113
<211> 192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-279m50Ctrl (see Figure 3)

<400> 113
cagctcactg cagcctcctc cctctgaggt caagtgattc tgctgcctca gcctcctgag 60

tagctgggat tacaggcacc caccaccaac cctggccaat ttttgtattt ttagtagaga 120

cagagtttca ccatgctggc caggctggtc tcaaactcct gccctcagat gttccaccca 180

ccttggcctc cc 192

<210> 114
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-281m50Ctrl (see Figure 3)

<400> 114
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 115
<211> 192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-283m56SZ (see Figure 3)

<400> 115
tggctcactg taacctctgc ctcttgggtt caagtaattc tcctgtctca gcctcctgag 60

tagctaggat tactggtgcc cgccaccatg cccggcaaat ttttgtattt ttagtagaga 120

tggggtttca ctatgttgcc cagggtggtc tcaaactcct gacctcaagt gatccacctg 180

cttcagcttc cc 192

<210> 116
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-284m56SZ (see Figure 3)

<400> 116
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 117
<211> 187
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-61m34BD (see Figure 3)

<400> 117
cggttcactg caacttctgc ctcccaggtt caagcaatta tctgcctcag cctcccgagt 60

agctgggatt acaggtgccc gccaccacac tcagctaatt ttcgtatttt tagtagagac 120

ggtttcacca tcttggctag gctggtcttg agctcctgac tgcgtgatcc acccgccttg 180

187

gcccccc

<210> 118
<211> 192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-62m34BD (see Figure 3)

<400> 118
tggctcactg taacctctgc ctcctgggtt caagtaattc tcctgtctca gcctcctgag 60

tagctaggat tactggtgcc cgccaccatg cccggcaaat ttttgtattt ttagtagaga 120

tggggtttca ctatgttgcc cagggtggtc tcaaactcct gacctcaagt gatccacctg 180

cttcagcttc cc 192

<210> 119
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-63m34BD (see Figure 3)

<400> 119
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

cttggcctcc c 191

<210> 120
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-66m39MD (see Figure 3)

<400> 120
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 121
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-68m39MD (see Figure 3)

<400> 121
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagaggc 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 122
<211> 193
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-71m39MD (see Figure 3)

<400> 122
cagctcactg caaccttcac ctcccaggtt caagcgattc tcatgcctca gccttccgaa 60

tagttgagat tacaggctcg tgccaccaca cccagctaat tttttgtatt tttagtagag 120

atggggtttc accatgttgg ccaggctggt cttgagctcc tgacctcaag taatctgccc 180

acctcagcct cca 193

<210> 123
<211> 160
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-72m43BD (see Figure 3)

<400> 123
cggctcactg caacatccgc ctcccgagta gctgggacca caggtgtgca ccacctttcc 60

gggctaattt ttgtattttt agtagagaca gggttttgcc atgttggtca ggctggtctt 120

gaactcctga cctcaggtga tttgcccacc tcagcctccc 160

<210> 124
<211> 197
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-74m43BD (see Figure 3)

<400> 124
cagctcattg cgagctccac ctcccaggtt caagcaattc tcctacctca gcaactcctg 60

agtagctgag actacaggtg tgtgccacta tgcctggcta actttttttg tatttttagt 120

agagacaggg tttcaccatg ttggccaggc tagtctcgaa cacctgacct cagatgatcc 180

acctgcctcg gcctccc 197

<210> 125
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-75m43BD (see Figure 3)

<400> 125
tggttcacta caacctccaa tctccaggtt caaggattct cctgcctcag actcctgagt 60

agctgggatt acaggcatcc accaacatgc ctggctaatt tttttatttt tagcagagac 120

ggggttttgc catattggcc atgctggtct caaactcctg acctcatgtg atccacccgc 180

cttggcctcc c 191

<210> 126
<211> 192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-78m43BD (see Figure 3)

<400> 126
cggctcaatg caacctcagc ctcctgggtt caagcaattc tcctgtctca gcctcccgag 60

tagctgggat tacaggcaca tgccaccatg cccaactaat ttttgtattt ttagtagaga 120

cagggttttg ccatgttggc caggctggtc tcaaactcct gacctcaggt ggtccaccgg 180

cctcagcctc cc 192

<210> 127
<211> 194
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-79m43BD (see Figure 3)

<400> 127
cagctcactg caacctccgt ttcccaggtg caaccgattc tcctgcctca gacctctgaa 60

gcggctggga ctacaggtgc ctgccacctc acccggctaa tttttgtatt tttagtaaga 120

gatggggttt caccacattg gccggggtgg tctcaaactc ctgacctcaa gtgatccttc 180

catcttggcc tccc 194

<210> 128
<211> 192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-83m43BD (see Figure 3)

<400> 128
cggctcaatg caacctcagc ctcctgggtt caagcaattc tcctgtctca gcctcccgag 60

tagctgggat tacaggcaca tgccaccatg cccaactaat ttttgtattt ttagtagaga 120

cagggttttg ccatgttggc caggctggtc tcaaactcct gacctcaggt ggtccaccgg 180

cctcagcctc cc 192

<210> 129
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-120m57Ctrl (see Figure 3)

<400> 129
aatagctatg cccatgatta cgccaagctc taatacgact cactataggg tatgctcgga 60

gctaggcatg ctgcagacgc gttacgcatt acgatccaga atccagagat tggaggtggc 120

tggcgtaata tcggtttagt gggacctgtg cctccgggtt ccaggtgttg ctagtgtttg 180

aacctcctga gcatcattgg ataacagtag cctctcacca tgctcatctt gtgcttgtat 240

tggtggcagc ggtccaccat gccggttatg ctgaactcgg actcatcacc ttaaattaac 300

cacctgcctc agactccgaa actgctggta gtacaggcaa tctgcattcg tctgcattct 360

tctacagcct aggctagcta tagaccacac ttgaccacgg cccgagctcc cggccgcttg 420

gattctatag tgtcatataa aggcccgaac aattcactgc accgtagttt 470

<210> 130
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from RevE-120m57Ctrl (see Figure 3)

<400> 130
aaactacggt gcagtgaatt gttcgggcct ttatatgaca ctatagaatc caagcggccg 60

ggagctcggg ccgtggtcaa gtgtggtcta tagctagcct aggctgtaga agaatgcaga 120

cgaatgcaga ttgcctgtac taccagcagt ttcggagtct gaggcaggtg gttaatttaa 180

ggtgatgagt ccgagttcag cataaccggc atggtggacc gctgccacca atacaagcac 240

aagatgagca tggtgagagg ctactgttat ccaatgatgc tcaggaggtt caaacactag 300

caacacctgg aacccggagg cacaggtccc actaaaccga tattacgcca gccacctcca 360

atctctggat tctggatcgt aatgcgtaac gcgtctgcag catgcctagc tccgagcata 420

ccctatagtg agtcgtatta gagcttggcg taatcatggg catagctatt 470

<210> 131
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from RevE-119m57Ctrl (see Figure 3)

<400> 131
cagctgactg caacctctga ctcctgggtt caagtgactc tcctgcctca gccttctgaa 60

tagctgggat tacgggcaag taccaccata cctagctaat tttgtatttt tagcagagac 120

ggggtttctc catgttggtc aggcggttct cgaactcccg acctcaggtg atccacctgc 180

ctctgcctcc c 191

<210> 132
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from RevE-270m50Ctrl (see Figure 3)

<400> 132
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 133
<211> 193
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from RevE-169m50Ctrl (see Figure 3)

<400> 133
cagctctcca caacctccgc catcgtgggt tccagcagat tctcctgcct cggcctccca 60

agtagctggg aatacaggca cgctccaata cacctggcta attatgtatt tttagtagag 120

acagggtttc tccatgttgg tcaacctggt ctggaactcc tgacctcggg taatcaaccc 180

acttcagcct ccc 193

<210> 134

<211> 193
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from RevE-77m43BD (see Figure 3)

<400> 134
cagctcactg caaccaccac ctcccaggtt caagtgatta tcctgcctca gcctcccgag 60

tagctgggat tacagatgcc caccaacaca ccaggctaat tttttgtatt tttagtagag 120

atggggtttc atcaggttgg ccaggctgat cttaaactcc tgacctcagg taatccaccc 180

gcctcaacct ccg 193

<210> 135
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK1601mM-13_m37-7+++ (see Figure 3)

<400> 135
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 136
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK1601mM-11_m37-5+++ (see Figure 3)

<400> 136
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

191

tttggccttc c

<210> 137
<211> 306
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK1601_mM-1_m57-6 (see Figure 3)

<400> 137
cagctcactg caggctccgc ctcccgggtt cacgccattc tcctgcctca gcctcccgag 60

tagctgggac tacaggcgcc caccaccatg cccagctaat ttttgtattt ttagcagaga 120

cggggtttca ccatgttggc caggatggtc tccaaactcc tgacctcctg agacacctgt 180

gtcggggtcc caaactgtgg gagtacaggc aactctgaat ttttggacaa gactcttcga 240

gcctatgcta ctatctacac cacaccgcgt gggggcccca gctcgcggcc gctgtattat 300

ataata 306

<210> 138
<211> 187
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK1601mM-60+++ (see Figure 3)

<400> 138
cagctcaatg caacctacac ctcctgggtt caagtgattc tcacgcctca gcctcctaag 60

taactgggat tacaggggcg caccaccaca cctggctaat tttttgtatt tttagcagag 120

atgggccatg ttggccaggc tggtcttgaa ctcctgacct caagtgatcc acctgcctcg 180

gcctccc 187

<210> 139
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK1601MM-59+++ (see Figure 3)

<400> 139
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 140
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK1601mM-58+++ (see Figure 3)

<400> 140
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 141
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK1601mM-57+++ (see Figure 3)

<400> 141
atctatgaca tgattgcccc gattctccaa gctctaattc tactgaatgt tcggaacgct 60

ccatccacgc atgccgtaaa cgctttactc ctcggttcca gaatgcggga ttgcctgtac 120

ttccatcagt tagggaggcc aaatcctacg gatcatatga ggctatgaga ccaagaccca 180

ccttatcaac atgaagaatc ctggtctcta ctaaaaatac aatattagcc aggtttcatg 240

gtatatgctt gtaatcctag ctactcacaa ggctgaggca gaggaattac ttgaacctgt 300

gaggcggagg tttcggtgag ctgagattgt ccaaacaccc tccaatctga attcgttgac 360

aagcttttcg agcctaggct agctctagac cacacgtgtg ggggcccgag ctcgcggt 418

<210> 142
<211> 380
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK1601mM-55+++ (see Figure 3)

<400> 142
acgttgcctg ttcgcagtta tcgctacttg ggaagtcgtc ccatctgagc cgtcgatcga 60

tccagaatcg gattggaggt gttgccaaca ttgagtcact gcagctttga cctcctgagt 120

gcatgtggct tattccacct caacctcctg aggagttggg accaccagtg ttcaacacca 180

catcaggcta atttaatatt ttgtagaaat gaagacttac tattatgtcc aggctagtat 240

taaaatactg gggttaagca agactccccc cttgttgttc ccaaatgctg gggggacaac 300

aggtattgat ttttcgacaa gcttcttcga gcctccgatg gttctataca ccacacgtgg 360

ggcccgagct ctcgccgctg 380

<210> 143
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from Pk1601mM-54+++ (see Figure 3)

<400> 143
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 144
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1601mM-53+++ (see Figure 3)

<400> 144
cagctcaccg aaacctgcgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 145
<211> 192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1601mM-52+++ (see Figure 3)

<400> 145
cagctcactg caacctccgc ctcctggatt caagcgattt tcccgcctta gcctcctgag 60

taactgggac tagaggcagg taccaccacg cccagctaat ttttgtattt ttagtagaga 120

cgaggtttca ccatgtgggc caggctggtc ttaaactcct gacctcaagt gatttgccca 180

actcagcctc cc 192

<210> 146
<211> 192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1601mM-51+++ (see Figure 3)

<400> 146
cagctcactg caacctccgc ctcctggatt caagcgattt tcccgcctta gcctcctgag 60

taactgggac tagaggcagg taccaccacg cccagctaat ttttgtattt ttagtagaga 120

cgaggtttca ccatgtgggc caggctggtc ttaaactcct gacctcaagt gatttgccca 180

actcagcctc cc 192

<210> 147
<211> 191
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<223> Alu sequence cloned from pk1601mM-50 (see Figure 3)

<400> 147
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 148
<211> 192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1601mM-49 (see Figure 3)

<400> 148
gactcattgc aacctctgcc tcctgggttt aagccgttct catgcctcag cctcccgacg 60

tagctgggat tataggcatg cgccaccacc cccagctaat ttttgtatta tcagtagaga 120

tggggcttcg ccatgctggc caggctggtc ttgaactcct gacctcaagc aatccgccca 180

actcggcctc cc 192

<210> 149
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1601mM-47 (see Figure 3)

<400> 149
cagctcaccg aaacctccgc ctcacgggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 150
<211> 191

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1601mM-48 (see Figure 3)

<400> 150
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 151
<211> 190
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1601mM-44 (see Figure 3)

<400> 151
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt agtagagacc 120

aggattcttc atgttgataa ggtggttctt gaactcctga cctcagatga tccatctgat 180

ttggcctccc 190

<210> 152
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1601mM-42 (see Figure 3)

<400> 152
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatgtt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 153
<211> 320
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1601mM-37+++ (see Figure 3)

<400> 153
gacaggtatg accatgatta cgccagctct aatacgactc actataggga aagctcggta 60

ccacgcatgc tgcagacgcg ttacgtatgg gatccagaat tcgtgattgg agggtgtttt 120

gcacaatctc agctcaccgc aacctttgcc tcacgggctc aagtgattct catgcttgat 180

cctaccaagt agctgggatt acaggcacat gccatcatgc tgagctaact ttggtatttt 240

tggtagagac gaggtttcac catgttggcc aggctgtctc aaactcctga cctcagatga 300

tccgtccacc tcagcctccc 320

<210> 154
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1601mM-35+++ (see Figure 3)

<400> 154
cggctcactg caagctctgc ctcccgggtt catgccattc tcctgcctca gcctcccgag 60

tagctgggac tgcaggtggc cgtcaccacg cccggctaat tttttgtatt tttagtagag 120

acagggtttc accatgttag ccaggatggt ctcgatctcc tgacctcgtg atctgcccgc 180

ctcagcctcc c 191

<210> 155
<211> 188
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1601_mM-32+++ (see Figure 3)

<400> 155

cacgtcactg taatgtccat ctcccgggtt caggtgattc tcctgcccca gcctcctgag 60

tagctgtaca ggcgtgcacc accatgcccg actaattttt gtacttttag tagagattgg 120

gtttcaccgt gttggtcagg ctggtcttga actcctgacc tcaagtgatc tgcctgcctc 180

agcctccc 188

<210> 156
<211> 140
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1601_mM-31+++ (see Figure 3)

<400> 156
cagcttactg caacctttgc ttcccagttt caagtgattc tcctgtctca tgctccagag 60

aacccggtac tacaggcaca cgccaccatg ctcggctaat aatttatgtt cttagaatag 120

agattggttt tcaccgattt 140

<210> 157
<211> 190
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1601_mM-30+++ (see Figure 3)

<400> 157
tggctcactg caacctctgc cacccggatt taagcaattc tcctgcctca gcctcccgag 60

tagctgggat tacaggcgcc tgccactgct ctgagctaat ttttgtattt ttggtagaga 120

cgggatttca ccatcttggc caggctggtt ttaaactcct gacctcatga tccacccgcc 180

tcggccttcc 190

<210> 158
<211> 292
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1401_mM-24+++ (see Figure 3)

<400> 158
tggcttactg gaaccttcgc cttccgggtt caagagattc ttctgcctta accttccgag 60

aggctgggac tacaggcatg cgccaccatg cccagctagg ttttggattt ttaagagaga 120

tggggtttcc ccatgttggc caggatgatc tcgatctctt gacctcgtga tctgtccggc 180

ttaagacttc caaactggtg ggagtacagg caatctgaat tcgtcgacaa gcttttctag 240

cctaggctag ctctagacac acgtgtgggg gcccgagctc gcggccgctg ta 292

<210> 159
<211> 192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1401_mM-23+++ (see Figure 3)

<400> 159
cggttcattg caacctccgc ttcctagggt ccagtgatcc tcctgcctca gtcccccaag 60

tggctgggac tacaggcatg tgccaccaca tctggctaac ttttgtatat ttagtagaaa 120

cagggtttca ccatgttggc caggctggtc tcgaactcct ggcctcaagt gatccacccg 180

ccttggcctc cc 192

<210> 160
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1401_mM-22+++ (see Figure 3)

<400> 160
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 161
<211> 190
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1401_mM-21+++ (see Figure 3)

<400> 161
tggctcactg caacctctgc ctcctgggtt caagtaattc tcctgcctca gcctcccgag 60

tacctgggac tacaggcacc caccaccacg ctcagctaat ttttgtattt ttagtagaga 120

cggggtttca ccatattggc caggctggtc tcgaactcct gaccttgtga tccccccgcc 180

tcggccgccc 190

<210> 162
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1401_mM-20+++ (see Figure 3)

<400> 162
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 163
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1401_mM-19+++ (see Figure 3)

<400> 163
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 164

<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1401_mM-18+++ (see Figure 3)

<400> 164
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 165
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1401_mM-17+++ (see Figure 3)

<400> 165
gggaggccaa atcagatgga tcatctgagg tcaggagttc aagaaccacc ttatcaacat 60

gaagaatcct ggtctctact aaaactacaa aattagccag gtatcatggc aaatgcttgt 120

catcctagct actcagaagg ctgaggcaga ggaatcactt gaacctgtga ggcggaggtt 180

tcggtgagct g 191

<210> 166
<211> 193
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1401_mM-16+++ (see Figure 3)

<400> 166
cagctcactg caacctcccc ctcctgggtt caagcgattc tcttgcctca gcctcctgag 60

tagctgggat tacaggtgcc caccaccacg cccagttaat tttttgtagt tttagtacag 120

acgaggttcc actgtgctga tcaggctagt ctcgaactcc tgacctcagg tgatccacct 180

gccttggcat ctc 193

<210> 167
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1401_mM-14+++ (see Figure 3)

<400> 167
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 168
<211> 194
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1401_mM-10 (see Figure 3)

<400> 168
cagctgactg cagtcttgac ctcgaaggct caagcgatcc tcccacctct cagcctcaca 60

agtagctggg actactactg acacgcctca ccacacccag catttttttt ttttggtaga 120

aacagggttt cattatgttg cccagggtgg tctcaaactc ctgagctcaa gtgatcctcc 180

ccactcggcc tccc 194

<210> 169
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1401_mM-8 (see Figure 3)

<400> 169
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 170
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1401_mM-7 (see Figure 3)

<400> 170
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgtcatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 171
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1401_mM-6 (see Figure 3)

<400> 171
cagctcacca caacctccgc ctcctgggtt ccagcgattc tcctgcctcg gcctcccaag 60

tagctgggat tacaggcacg caccaataca cctggctaat tttgtatttt tagcagagac 120

agggtttctc catgttggtc aacctggtct gtaactcctg acctcgggta atcaacccac 180

ttcagcctcc c 191

<210> 172
<211> 192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1401_mM-5 (see Figure 3)

<400> 172
cagctcactg caacctccat ttcctgggtt caagcgattc tcctgcctca gcctccggag 60

tagctgggac cacagacgtg tgccaccatg cctgggtaat tttcatattt tcagtagagg 120

tggggctttg ccacattgtc caggctggtc ttgaactcct gacctcaggt gatccgcccg 180

cctcagcctc cc 192

<210> 173
<211> 193
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK1401_mM-4 (see Figure 3)

<400> 173
tggctcactg caacctccgc ctcccaggtt caagcaattc tcctgcctca gtctcccgag 60

tagctgggac taccggcgag tgctaccatg cctgcgtaat tttttgtact tttagtagag 120

ttggagtttc actacgttgg ccaggctggt ctcaaactcc tggcctcaag tgatctgccg 180

gcctcagcct ccc 193

<210> 174
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1401_mM-3 (see Figure 3)

<400> 174
cggctcactg caagctccgc ctcccgggtg cacgccattc tcctgcctca gcctcccgag 60

tagctgggac tacaggcgcc cgccaccacg cccggctaat tttttgtatt tttagtagag 120

gcagggtttc actgtgttag ccaggatggt ctcgatctcc tgacctcgtg atccgcccgc 180

ctctgcctcc c 191

<210> 175
<211> 208
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<223> Alu sequence cloned from pk1401_mM-2 (see Figure 3)

<400> 175
tgattctcct gcctcagcct cccaagtagc tgcgattaca ggcatccgcc accacaccca 60

actaattttg tatttttagt agagacaggt tttctccatg ttggtcaggc tagtctcgaa 120

ttcctgacct caggtgatct gcctgccttg gcttcccaaa gtgctgggat tacaggcgtg 180

agccactgtg cctggccaaa gctatttc 208

<210> 176
<211> 542
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1401_mM-2 (see Figure 3)

<400> 176
cagctcactg caacctcacc tcccgggttc aagtgattct cctgcctcag cctcccaagt 60

agctgcgatt acaggcatcc gccaccacac ccaactaatt ttgtattttt agtagagaca 120

ggttttctcc atgttggtca ggctagtctc gaattcctga cctcaggtga tctgcctgcc 180

ttggcttccc aaagtgctgg gattacaggc gtgagccact gtgcctggcc aaagctattt 240

ctttttttctt tttccttttt ttttttttttt ttgagacgga gtctcgctgt gtcccccagg 300

ctggagtaca atggcatgat ctcggctcac tgcaacctct gcctcccagg tttcaagcga 360

ttttcctgcc tcagcctccc gagtagctgg gattacaggc acccaccacc gtgcccagct 420

aatttttgta tctttaatag agatggggtt tcaccatctt ggccaggctg gtcttgaact 480

cctgacctca tgatccaccc acctcagtct cccaaactgc tgggagtaca gaatctgaat 540

tc 542

<210> 177
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BDc_m34-4-----BD (see Figure 3)

<400> 177
tggctcactg taacctccac ctcctggatt caagtgattc tcctgcctca gcctcccacg 60

tagctgggac tacaggcaca cgacaccgca cccagctcat tttgtatttt tagtagagac 120

agggtttcac tatgttggcc aggctggtct caaacttctg acctcaggtg atccacccac 180

ctcagccttc c 191

<210> 178
<211> 192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from SZb_m37-10+++ (see Figure 3)

<400> 178
cggctcactg cagcctctac ctcccatgtt caagccatcc tccagtctca gcctctggag 60

tagttgggat tacagatgtg taccacctcg cctggctaat ttttgtattt ttagtagaga 120

tggggttttg ccatgttggc caggctgatc tcagattcct gatctcaggt gatccacctg 180

ccttggcctc cc 192

<210> 179
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from SZb_m37-9+++ (see Figure 3)

<400> 179
ggctcactgc agcctctacc tcccatgttc aagccatcct ccagtctcag cctctggagt 60

agttgggatt acagatgtgt accacctcgc ctggctaatt tttgtatttt tagtagagat 120

ggggttttgc catgttggcc aggctgatct cagattcctg atctcaggtg atccacctgc 180

cttggcctcc c 191

<210> 180
<211> 192
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<223> Alu sequence cloned from SZb_m37-7+++ (see Figure 3)

<400> 180
cggctcactg cagcctctac ctcccatgtt caagccatcc tccagtctca gcctctggag 60

tagttgggat tacagatgtg taccacctcg cctggctaat ttttgtattt ttagtagaga 120

tggggttttg ccatgttggc caggctgatc tcagattcct gatctcaggt gatccacctg 180

ccttggcctc cc 192

<210> 181
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from SZb_m37-5+++ (see Figure 3)

<400> 181
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 182
<211> 401
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from SZb_m37-3+++ (see Figure 3)

<400> 182
cagctatgac ctgattacgc caagctctaa tacgactcac tatagggaaa gctcggtacc 60

acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattgccg ggacttcgaa 120

ccgtctgggc tgcctgaaag cttggactac caggggtaag cggttcaggg gcctcattat 180

caacaggaac tgtgatgaca tgtactaaca acactgccca ggtcgggttt gatggcaaat 240

gcaggacata caaaatacta atatggctgc agggctggaa tcaatcgaac gtgggaggga 300

tccgtctgcc tgagccgaca aagctgatgc aagttccaac atgaattcgt cgacaagctt 360

ctcgagccta ggctagctct agaccacacg tgtgggggc c 401

<210> 183
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BDc_m34-10-----BD (see Figure 3)

<400> 183
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 184
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from SZb_m37-2+++ (see Figure 3)

<400> 184
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 185
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BDc_m34-3-----BD (see Figure 3)

<400> 185
tggctcactg taacctccac ctcctggatt caagtgattc tcctgcctca gcctcccacg 60

tagctgggac tacaggcaca cgacaccgca cccagctcat tttgtatttt tagtagagac 120

agggtttcac tatgttggcc aggctggtct caaacttctg acctcaggtg atccacccac 180

ctcagccttc c 191

<210> 186
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BDc_m34-1-----BD (see Figure 3)

<400> 186
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 187
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk211201_M39-2-----BD (see Figure 3)

<400> 187
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 188
<211> 192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from Ctrl C_m57-2 (see Figure 3)

<400> 188
tggctcactg caacctccac ctcccgggtt caagcaattc tcgtgcctca gccacctgag 60

tagctgggat tataggtgtg cgccaccaca cccggctaat ttttaaattt tttgtagaga 120

cggggtttca ccctgttggc caggctggcc tcgaactcct aatctcaggt gatctgccca 180

ccttggcctc cc 192

<210> 189
<211> 202
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BDd_m43-19-----BD (see Figure 3)

<400> 189
cagctgactg caacctccac ttcccaggtt caagcgattc tcctgcctca gcctcctgag 60

tagctggaac tagaagcgtg caccaccaca tcccgctaat tgtgtgtgtg tgtgtgtgtt 120

tgtttagtaa agggggggtt tcaccatgtt ggtcaggctg gtctcgaact cctgacaggt 180

gatccacccg ccttggcctc cc 202

<210> 190
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from SZc_m37-26+++ (see Figure 3)

<400> 190
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 191
<211> 192
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<223> Alu sequence cloned from BDd_m34-19-----BD (see Figure 3)

<400> 191
tggctcactg taacctctgc ctcctgggtt caagtaattc tcctgtctca gcctcctgag 60

tagctaggat tactggtgcc cgccaccatg cccggcaaat ttttgtattt ttagtagaga 120

tggggtttca ctatgttgcc cagggtggtc tcaaactcct gacctcaagt gatccacctg 180

cttcagcttc cc 192

<210> 192
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BDd_m34-14-----BD (see Figure 3)

<400> 192
cagcccagtg caagctccgc ctcccaggtt cacgtcattc tcctgcctca gcctcccgag 60

tagctgggac tacaggcgcc cgccaccacg cccagctaat tttttgtatt tttagtagag 120

acaaggtttc accgtattag ccgggatggt cgctatctcc tgacctcgtg atctgcccgc 180

ctcggcctct c 191

<210> 193
<211> 192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BDd_m43-14-----BD;DNA (see Figure 3)

<400> 193
ctctgctcac tgcagcttct gcctcccggg ttcaagtgat tctcctgcct cagcctcctg 60

agtagctggg actacaggca tgcaccacca cacccagcta atttttgtat ttttagtaga 120

gacggggttt caccatgttg gccaggatgg tctctatctc ttgacctcat gatccgcccg 180

cctcagcctt cc 192

<210> 194
<211> 191

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from SZc_m37-15+++ (see Figure 3)

<400> 194
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 195
<211> 190
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from SZc_m37-10+++ (see Figure 3)

<400> 195
cagctcactg caggctccgc ctcccgggtt cacgccattc tcctgcctca gcctccgcag 60

tagctgggac tacaggcgcc caccaccatg cccagctaat ttttgtattt ttagcaaaga 120

cagggtttca ccatgttagc caggatggtc tcgatctcct gacctcatga tccacctgcc 180

tcggcctccc 190

<210> 196
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from SZc_m37-7+++ (see Figure 3)

<400> 196
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 197
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from SZc_m37-5+++ (see Figure 3)

<400> 197
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 198
<211> 190
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from SZc_m37-3+++ (see Figure 3)

<400> 198
cagctcactg caggctccgc ctcccgggtt cacgccattt tcctgcctca gcctccccag 60

tagctgggac tacaggcgcc catcaccatg cccagctaat ttttgtattt ttagcaaaga 120

cagggtttca ccatgttagc caggatggtc tcgatctcct gacctcctga tccacctgcc 180

tcggcctccc 190

<210> 199
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk0301_M39-14-----BD(see Figure 3)

<400> 199
aagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 200
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK0301_M37-14+++ (see Figure 3)

<400> 200
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 201
<211> 190
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK0301_M37-11+++ (see Figure 3)

<400> 201
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctatgcctta gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggcggttct tgaactcctg acctcacatg atccatttga 180

tttggcctcc 190

<210> 202
<211> 190
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from RevCompSZB_M37-6+++ (see Figure 3)

<400> 202

cagctcactg gcagtctcaa tcttccaagt tcaaggtgat tatcccatct cagcctcccg 60

agtagctgaa actacaggtg catactacca cgcctagcta attttttttt gtagagatgg 120

ggttttggcc atgttgccca ggctgctctc gaacttctgg gcacaagtgg tccacccacc 180

ttggcctccc 190

<210> 203
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from RevCompPK1401_mM-17+++ (see Figure 3)

<400> 203
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtagttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 204
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from RevCompPK1601mM-33+++ (see Figure 3)

<400> 204
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 205
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<223> Alu sequence cloned from RevCompPK1601mM-39+++ (see Figure 3)

<400> 205
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaat tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 206
<211> 426
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from CUTPK1601_mM-1_m57-6 (see Figure 3)

<400> 206
gaaccaccat tacgccaact ctaatacgac tcactatagg gaaagctcgg taccacgcat 60

gctgcagacg cgttacgtat cggatccaga attcgggatt ggagggtgtt tgcacaatct 120

cagctcactg caggctccgc ctcccgggtt cacgccattc tcctgcctca gcctcccgag 180

tagctgggac tacaggcgcc caccaccatg cccagctaat ttttgtattt ttagcagaga 240

cggggtttca ccatgttggc caggatggtc tccaaactcc tgacctcctg agacacctgt 300

gtcggggtcc caaactgtgg gagtacaggc aactctgaat ttttggacaa gactcttcga 360

gcctatgcta ctatctacac cacaccgcgt gggggcccca gctcgcggcc gctgtattat 420

ataata 426

<210> 207
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from CUTPK1601mM-57+++ (see Figure 3)

<400> 207
catctatgac atgattgccc cgattctcca agctctaatt ctactgaatg ttcggaacgc 60

tccatccacg catgccgtaa acgctttact cctcggttcc agaatgcggg attgcctgta 120

cttccatcag ttagggaggc caaatcctac ggatcatatg aggctatgag accaagaccc 180

accttatcaa catgaagaat cctggtctct actaaaaata caatattagc caggtttcat 240

ggtatatgct tgtaatccta gctactcaca aggctgaggc agaggaatta cttgaacctg 300

tgaggcggag gtttcggtga gctgagattg tccaaacacc ctccaatctg aattcgttga 360

caagcttttc gagcctaggc tagctctaga ccacacgtgt gggggcccga gctcgcggt 419

<210> 208
<211> 380
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from CUTPK1601mM-55+++ (see Figure 3)

<400> 208
acgttgcctg ttcgcagtta tcgctacttg ggaagtcgtc ccatctgagc cgtcgatcga 60

tccagaatcg gattggaggt gttgccaaca ttgagtcact gcagctttga cctcctgagt 120

gcatgtggct tattccacct caacctcctg aggagttggg accaccagtg ttcaacacca 180

catcaggcta atttaatatt ttgtagaaat gaagacttac tattatgtcc aggctagtat 240

taaaatactg gggttaagca agactccccc cttgttgttc ccaaatgctg gggggacaac 300

aggtattgat ttttcgacaa gcttcttcga gcctccgatg gttctataca ccacacgtgg 360

ggcccgagct ctcgccgctg 380

<210> 209
<211> 192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from utPK1601mM-39+++ (see Figure 3)

<400> 209
gggaggccaa atcagatgga tcatctgagg tcaggagttc aagaaccacc ttatcaacat 60

gaagaatcct ggtctctact aaaaatacaa aattagccag gtatcatggc aaatgcttgt 120

catcctagct actcagaagg ctgaggcaga ggaatcactt gaacctgtga ggcggaggtt 180

tcggtgagct ga 192

<210> 210
<211> 211
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from CutPK1601mM-37+++ (see Figure 3)

<400> 210
gggagggtgt tttgcacaat ctcagctcac cgcaaccttt gcctcacggg ctcaagtgat 60

tctcatgctt gatcctacca agtagctggg attacaggca catgccatca tgctgagcta 120

actttggtat ttttggtaga gacgaggttt caccatgttg gccaggctgt ctcaaactcc 180

tgacctcaga tgatccgtcc acctcagcct c 211

<210> 211
<211> 193
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from CutPK1601mM-33+++ (see Figure 3)

<400> 211
tgggaggcca aatcagatgg atcatctgag gtcaggagtt caagaaccac cttatcaaca 60

tgaagaatcc tggtctctac taaaaataca aaattagcca ggtatcatgg caaatgcttg 120

tcatcctagc tactcagaag gctgaggcag aggaatcact tgaacctgtg aggcggaggt 180

ttcggtgagc tga 193

<210> 212
<211> 141
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from CutPK1601_mM-31+++ (see Figure 3)

<400> 212
tcagcttact gcaacctttg cttcccagtt tcaagtgatt ctcctgtctc atgctccaga 60

gaacccggta ctacaggcac acgccaccat gctcggctaa taatttatgt tcttagaata 120

gagattggtt ttcaccgatt t 141

<210> 213
<211> 193
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from CutPK1401_mM-17+++ (see Figure 3)

<400> 213
tgggaggcca aatcagatgg atcatctgag gtcaggagtt caagaaccac cttatcaaca 60

tgaagaatcc tggtctctac taaaactaca aaattagcca ggtatcatgg caaatgcttg 120

tcatcctagc tactcagaag gctgaggcag aggaatcact tgaacctgtg aggcggaggt 180

ttcggtgagc tga 193

<210> 214
<211> 221
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from CutPK1401_mM-2_1+++ (see Figure 3)

<400> 214
tcagctcact gcaacctcac ctcccgggtt caagtgattc tcctgcctca gcctcccaag 60

tagctgcgat tacaggcatc cgccaccaca cccaactaat tttgtatttt tagtagagac 120

aggttttctc catgttggtc aggctagtct cgaattcctg acctcaggtg atctgcctgc 180

cttggcttcc caaagtgctg ggattacagg cgtgagccac t 221

<210> 215
<211> 239
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from CutPK1401_mM-2_2+++ (see Figure 3)

<400> 215
gagacggagt ctcgctgtgt cccccaggct ggagtacaat ggcatgatct cggctcactg 60

caacctctgc ctcccaggtt tcaagcgatt ttcctgcctc agcctcccga gtagctggga 120

ttacaggcac ccaccaccgt gcccagctaa tttttgtatc tttaatagag atggggtttc 180

accatcttgg ccaggctggt cttgaactcc tgacctcatg atccacccac ctcagtctc 239

<210> 216
<211> 192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from CutSZB_M37-6+++ (see Figure 3)

<400> 216
tgggaggcca aggtgggtgg accacttgtg cccagaagtt cgagagcagc ctgggcaaca 60

tggccaaaac cccatctcta caaaaaaaaa ttagctaggc gtggtagtat gcacctgtag 120

tttcagctac tcgggaggct gagatgggat aatcaccttg aacttggaag attgagactg 180

ccagtgagct ga 192

<210> 217
<211> 189
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from CutSZB_M37-3+++ (see Figure 3)

<400> 217
tgccgggact tcgaaccgtc tgggctgcct gaaagcttgg actaccaggg gtaagcggtt 60

caggggcctc attatcaaca ggaactgtga tgacatgtac taacaacact gcccaggtcg 120

ggtttgatgg caaatgcagg acatacaaaa tactaatatg gctgcagggc tggaatcaat 180

cgaacgtgg 189

<210> 218
<211> 390
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK37-9RfWithM13R (see Figure 3)

<400> 218

gcgagaaagg aagggaagaa agcgaaagga gcgggcgcta gggcgctggc aagtgtagcg 60

gtcacgctgc gcgtaaccac cacacccgcc gcgcttaatg cgccgctaca gggcgcgtcc 120

attcgccatt caggctgcgc aactgttggg gaagggcgat cggtgcgggc ctcttcgcta 180

ttacgccagc tggcgaaagg gggatgtgct gcaaggcgat taagttgggt aacgccaggg 240

ttttcccagt cacgacgttg taaaacgacg gccagtgaat tgtaatacga ctcactatag 300

ggcgaattgg gccctctaga tgcatgctcg agcggccgcc agtgtgatgg atatctgcag 360

aattcggctt gcctgtactc ccagcagttt 390

<210> 219
<211> 310
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK39-4RfWithM13R (see Figure 3)

<400> 219
ccacacccgc cgcgcttaat gcgccgctac agggcgcgtc cattcgccat tcaggctgcg 60

caactgttgg gaagggcgat cggtgcgggc ctcttcgcta ttacgccagc tggcgaaagg 120

gggatgtgct gcaaggcgat taagttgggt aacgccaggg ttttcccagt cacgacgttg 180

taaaacgacg gccagtgaat tgtaatacga ctcactatag ggcgaattgg gccctctaga 240

tgcatgctcg agcggccgcc agtgtgatgg atatctgcag aattcggctt gcctgtactc 300

ccagcagttt 310

<210> 220
<211> 250
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK37-9RrWithM13R (see Figure 3)

<400> 220
gcctgtactc ccagcagttt gagaggccaa gatgggtgga tcacttgagg tctagagctc 60

aagaccagcc tggcgacatg gtgaaacccc atctctacta aaaatataaa aatcagccag 120

gtgtggtggt gggcacctgt aaccccagct actcaggagg ctgaggaagc cgaattccag 180

cacactggcg gccgttacta gtggatccga gctcggtacc aagcttggcg taatcatggt 240

catagctgtt 250

<210> 221
<211> 310
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK39-4RrWithM13R (see Figure 3)

<400> 221
gcctgtactc ccagcagttt gagaggccaa atcagatgga tcatctgagg tcaggagttc 60

aagaaccacc ttatcaacat gaagaatcct ggtctctact aaaaatacaa aattagccag 120

gtatcatggc aaatgcttgt catcctagct actcagaagg ctgaggcaga ggaatcactt 180

gaacctgtga ggcggaggtt tcggtgagct gagattgtgc aaacaccaag ccgaattcca 240

gcacactggc ggccgttact agtggatccg agctcggtac caagcttggc gtaatcaggt 300

catagctgtt 310

<210> 222
<211> 549
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK34-6rwithM13R (see Figure 3)

<400> 222
gcctgtactc ccagcagttt tgagaggtca aggaaggagg atcagttgag tccgggagtt 60

tgagatgagc ctgggcaaca tggcaaaacc tcgtctctac aaaaaatata aaaaaagtaa 120

gccgggcatg gtggagaggc tattcggcta tgactgggca caacagacaa tcggctgctc 180

tgatgccgcc gtgttccggc tgtcagcgca ggggcgcccg gttctttttg tcaagaccga 240

cctgtccggt gccctgaatg aactgcagga cgaggcagcg cggctatcgt ggctggccac 300

gacgggcgtt ccttgcgcag ctgtgctcga cgttgtcact gaagcgggaa gggactggct 360

gctattgggc gaagtgccgg ggcaggatct cctgtcatcc caccttgctc ctgccgagaa 420

agtatccatc atggctgatg caatgcggcg gctgcatacg cttgatccgg ctacctgccc 480

attcgaccac caagcgaaac atcgcatcga gcgagcacgt actcggatgg aagccggtct 540

tgtcgatca 549

<210> 223
<211> 604
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK37-1withM13R (see Figure 3)

<400> 223
aacagctatg acctgattac gccaagcttg gtaccgagct cggatccact agtaacggcc 60

gccagtgtgc tggaattcgg cttgcctgta ctcccagcag tttgggaggc caaatcagat 120

ggatcatctg aggtcaggag ttcaagaacc accttatcaa catgaagaat cctggtctct 180

actaaaaata caaaattagc caggtatcat ggcaaatgct tgtcatccta gctactcaga 240

aggctgaggc agaggaatca cttgaacctg tgaggcggag gtttcggtga gctgagattg 300

tgcaaacacc ctccaagccg aattctgcag atatccatca cactggcggc cgctcgagca 360

tgcatctaga gggcccaatt cgccctatag tgagtcgtat tacaattcac tggccgtcgt 420

tttacaacgt cgtgactggg aaaaccctgg cgttcccaac ttaatcgcct tgcagcacat 480

ccccctttcg cagctggcgt aatagcgaag aggcccgcac cgatcgccct tcccaacagt 540

tgcgcagcct gaatggcgaa tggacgcgcc ctgtagcggc gcattaagcg cggcgggtgt 600

ggtg 604

<210> 224
<211> 521
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK37-1rwithM13R (see Figure 3)

<400> 224
gcctgtactc ccagcagttt gggaggccaa atcagatgga tcatctgagg tcaggagttc 60

aagaaccacc ttatcaacat gaagaatcct ggtctctact aaaaatacaa aattagccag 120

gtatcatggc aaatgcttgt catcctagct actcagaagg ctgaggcaga ggaatcactt 180

gaacctgtga ggcggaggtt tcggtgagct gagattgtgc aaacaccctc caagccgaat 240

tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc 300

cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa 360

accctggcgt tcccaactta atcgccttgc agcacatccc cctttcgcag ctggcgtaat 420

agcgaagagg cccgcaccga tcgcccttcc caacagttgc gcagcctgaa tggcgaatgg 480

acgcgccctg tagcggcgca ttaagcgcgg cgggtgtggt g 521

<210> 225
<211> 531
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK34-2withM13R (see Figure 3)

<400> 225
gcctgtactc ccagcagttt gggaggccga ggcgggcaga ttgcctgagc tcaggagttc 60

gaaaccagcc tggacaacac ggtgaaaccc tgtctctact aaaaatacaa aaaattagcc 120

agacgtggtg gtgcatgcct gtagtcccag ctagtcagga ggctgaggca ggagaatcac 180

ttgaacccag caggaaaagg ttgtggtgag ctgagattgt gcaaacaccc tccaagccga 240

attctgcaga tatccatcac actggcggcc gctcgagcat gcatctagag ggcccaattc 300

gccctatagt gagtcgtatt acaattcact ggccgtcgtt ttacaacgtc gtgactggga 360

aaaccctggc gttacccaac ttaatcgcct tgcagcacat tccccctttcg ccagctggcg 420

taatagctaa gaggcccgca ccgatcgtcc cttcccaaca gttgcgcagc ctgaatggcg 480

aatggacgcg ccctgtagcg gcgcattaag cgcggcgggt gtggtggtta c 531

<210> 226
<211> 346
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK34-7withM13R (see Figure 3)

<400> 226
ggagggtgtt tgcacaatct cggcttactg caacctccac tcctgggctt aaacggtcct 60

cccacctcat cttcccgagt agcagggtcc acaggtgcac accaccatgc ctggctatat 120

ttttttttt tttggatttt tgataaagac aggatgtcaa catgttgccc acgctggtct 180

tcaacccctt gaactcaaat tcatctgctt ctgcctccca aactggtggg agtcttgagg 240

tgggcgaacc acctgatgtt acgaatatga gacttttcgg cctgattccg gccaaactct 300

cgtcttattt tttataatct aataaatccc atctaggggc tagggt 346

<210> 227
<211> 399
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (49)..(49)
<223> n is a, g, c, or t

<220>
<221> misc_feature
<223> Alu sequence cloned from PK34-8withM13R (see Figure 3)

<400> 227
ggagggtgtt tgcacaatct cagctcaccg aaacctccgc ctcacaggnt caagtgattc 60

ctctgcctca gccttctgag tagctaggat gacaagcatt tgccatgata cctggctaat 120

tttgtacttt tagtagagac caggattctt catgttgata aggtggttct tgaactcctg 180

acctcagatg atccatctga tttggcctcc caaactgctg ggagtacagg caagccgaat 240

tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc 300

cctatagtga gtcgtattac aattcactgg ccggcgtttt acaacgtcgt gactgggaaa 360

accctggcgt tacccaactt aatcgccttg cagcacatc 399

<210> 228
<211> 429
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK34-9withM13R (see Figure 3)

<400> 228
gcctgtactc ccagcagttt gggaggtcaa ggtggagaga tcacttgagg tcaggagttc 60

gagaccagcc taaccaatat gatgaaaccc catctctact aaaaatacaa aaattagccg 120

ggcgtggtgg tgcgcacctg taatcccagc tactcaggag gctgaggcag gagaattgct 180

tgaaccaggg agtcggaggt tgcagtaagc caagattgtg caaacaccct ccaagccgaa 240

ttctgcagat atccatcaca ctggcggccg ctcgagcatg catctagagg gcccaattcg 300

ccctatagtg agtcgtatta caattcactg gccgtcgttt tacaacgtcg tgactgggaa 360

aaccctggcg ttacccaact taatcgcctt gcagcacatc ccccttcgc cagctggcgt 420

aatagcgaa 429

<210> 229
<211> 357
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK37-3.1withM13R (see Figure 3)

<400> 229
cctgtactcc cagcagtttg gaagtggatc acttgaggcc agggactcaa gaccaacctg 60

gccaatatgg caaaacccgg ctaaaaatac aaaaattagc tggacatggt tgcaggtgcc 120

tgtaatccca gctactcggg aggttgtggc atgagaatca cttgaacctg ggaggcagag 180

gctgcagcga gcagagattg tgcaaacacc ctaagccgaa ttctgcagat atccatcaca 240

ctggcggccg ctcgagcatg catctagagg gcccaattcg ccctatagt gagtcgcatt 300

acaatttact ggcccgtcgt tttacaaccg tcccgactgg gaaaaccctg gcgttac 357

<210> 230
<211> 517
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK37-7withM13R (see Figure 3)

<400> 230
gcctgtactc ccagcagttt gggaggccaa atcagatgga tcatctgagg tcaggagttc 60

aagaaccacc ttatcaacat gaagaatcct ggtctctact aaaaatacaa aattagccag 120

gtatcatggc aaatgcttgt catcctagct actcagaagg ctgaggcaga ggaatcactt 180

gaacctgtga ggcggaggtt tcggtgagct gagattgtgc aaacaccctc caagccgaat 240

tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc 300

cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa 360

accctggcgt tacccaactt aatcgccttg cagcacatcc cctttcgcc agctggcgta 420

atagcgaaga ggcccgcacc gatcgccctt cccaacagtt gcgcagcctg aatggcgaat 480

ggacgcgccc tgtagcggcg cattaagcgc ggcgggt 517

<210> 231
<211> 566
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK39-2withM13R (see Figure 3)

<400> 231
gcctgtactc ccagcagttt gggaggctga ggcggttgga tcacaaggtt aggagtttga 60

ggccagcctg gccaataaga tgaaacccca tctgtactaa aaatacaaaa attagccaaa 120

cgtggtggtg ggcacctgta gtcccagcta cttgggaggc tgaggcaaaa aaattgcttg 180

aacctgggag gcggaggttg cagcgagctg agattgtgca aacaccctcc aagccgaatt 240

ctgcagatat ccatcacact ggcggccgct cgagcatgca tctagagggc ccaattcgcc 300

ctatagtgag tcgtattaca attcactggc cgtcgtttta caacgtcgtg actgggaaaa 360

ccctggcgtt acccaactta atcgccttgc agcacatccc cctttcgcca gctggcgtaa 420

tagcgaagag gcccgcaccg atcgcccttc caacagttgc gcagcctgaa tggcgaatgg 480

acgcgccctg tagcggcgca ttaagccccg gcgggtgtgg tggttacgcg cagcgtgacc 540

gctacacttg ccagcgccct agcgcc 566

<210> 232
<211> 522
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BD43-13 (see Figure 3)

<400> 232

gcctgtactc ccagcagttt gggaggccga ggtgggcgga tggcctgaag ccaggagttt 60

gagactagcc tggcctacat ggtgaaaacc tgtctctact aaaaatacaa taattagccg 120

gacatggtga cacctataat accagctact cgggaagctg agccatgaga attgcttgaa 180

cccggaaggt ggaggttgca gtgagctgag attgtgcaaa caccctccgg ctgggtgtgg 240

cggaccgcta tcaggacata gcgttggcta cccgtgatat tgctgaagag cttggcggcg 300

aatgggctga ccgcttcctc gtgctttacg gtatcgccgc tcccgattcg cagcgcatcg 360

ccttctatcg ccttcttgac gagttcttct gaattgaaaa aggaagagta tgagtattca 420

acatttccgt gtcgcccttа ttccctttt gcggcatttt gccttcctgt tttgctcacc 480

cacaaaccct ggtgaaagta aaagatgctg aagatcagtt gg 522

<210> 233
<211> 374
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BD43-18withM13R (see Figure 3)

<400> 233
gcctgtactc ccagcagttt gggaggccaa agcggacgga tcatatgagg tcgagagttc 60

aagaaccatg ttatcaatgt gaaaaatctg ggtctatact aaaaacacaa atttacccag 120

ggttgatgga agatgctggt catcctaatt cctcagaagg ctgaggcaga ggaatcattt 180

gaacctggga ggcggacgtt caggggacct gaaatggggc aaccaccttc aaagccgaat 240

tttgcaaatt tccataacat ggggggcgcg ttcaaccttg cttttaaagg gcccatttcc 300

cttatatgga gtcgatttac aattaacggg cggtcgtttt acacctttgg atgggaaaaa 360

ccctgcgtac ccca 374

<210> 234
<211> 499
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from Ctrlm57-7withM13R (see Figure 3)

<400> 234

acaatcggct gctctgatgc cgccgtgttc cggctgtcag cgcaggggcg cccggttctt 60

tttgtcaaga ccgacctgtc cggtgccctg aatgaactgc aggacgaggc agcgcggcta 120

tcgtggctgg ccacgacggg cgttccttgc gcagctgtgc tcgacgttgt cactgaagcg 180

ggaagggact ggctgctatt gggcgaagtg ccggggcagg atctcctgtc atcccacctt 240

gctcctgccg agaaagtatc catcatggct gatgcaatgc ggcggctgca tacgcttgat 300

ccggctacct gcccattcga ccaccaagcg aaacatcgca tcgagcgagc acgtactcgg 360

atggaagccg gtcttgtcga tcaggatgat ctggacgaag agcatcaggg gctcgcgcca 420

gccgaactgt tcgccaggct caaggcgcgc atgcccgacg gcaggatctc gtcgtgacca 480

tggcgatgcc tgcttgcca 499

<210> 235
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk50-26withM13R(-46) (see Figure 3)

<400> 235
ttaaaaccga aatgccatga tacgccaagc ttggtaccga gctacggacc cactagctaa 60

cggccgccag tgtgcctgac ctcttatccc tgcacgatat ccactcacac tgctggctgt 120

ccgtgcatgc atctaccggg ctcaattcgc cctatagtga gtcggattac aattcactgg 180

ccgtcgtttt acaacgtcgt gactgggaaa accctggtgt tacccaactt aatcgccttg 240

cagcacatcc ccctttcgcc agcttggcgc aatagcgaag aggcatcgct ccgatcgccc 300

tttccaacag cttgcgcagc cagaatggct aatggacgcg ccctgtctcc ggccgcatta 360

atccgcggcg ggtgtggcgg ttaccccgca gcagtg 396

<210> 236
<211> 468
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK34-1withM13R (see Figure 3)

<400> 236

ggagggtgtt tgcacaatct ggagggtgtt tgcacaatct cggctcacca caacctctac 60

ctcccaggtt caagcaattc tgcctcagcc tcccaagtag ctgggactac aggcgtgcac 120

caccacacct ggctaatttc tgtattttta gtagaaacag ggtttcacca tgttggccag 180

gctggtctcg aactcctgac cttgtgatcc gcctaccttg gctttccaaa ctgctgggag 240

tacaggcaag ccgaattctg cagatatcca tcacactggc ggccgctcga gcatgcatct 300

agagggccca atccgcccta tagtgagtcg tattacaatc cactggccga agtttacaac 360

ggcgtgactg ggaaaaccct ggcgttaccc aacttaatcg ccttgcagca catccccctt 420

tcgccagctg gcgaaatagc gaagaggccc gcaccgatcg cccttccc 468

<210> 237
<211> 517
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK34-3withM13R (see Figure 3)

<400> 237
ggagggtgtt tgcacaatct ctgctcacta caacttctac ctcccaggct caagcaatcc 60

tcccatgtag ctgggaccac aggtgtgcac caccatgcca agctaatttt tgtatttttt 120

tgtagagtga ggtttcacca tattgcccag gttggtcttg aactcctaag ctcaagcaat 180

ccacctgcct cagcttctca aactgctggg agtacaggca agccgaattc tgcagatatc 240

catcacactg gcggccgctc gagcatgcat ctagagggcc caattcgccc tatagtgagt 300

cgtattacaa ttcactggcc gtcgttttac aacgtcgtga ctgggaaaac cctggcgtta 360

cccaacttaa tcgccttgca gcacatcccc ctttcgccag ctggcgtaat agcgaaaagg 420

cccgcaccga tcgcccttcc caacagttgc gcagcctgaa tggcgaatgg acgcgccctg 480

tagcggcgca ttaagcgcgg cgggtgtggt ggttacg 517

<210> 238
<211> 529
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK34-4withM13R (see Figure 3)

<400> 238
ggagggtgtt tgcacaatct cggctcatgg caccctcgc ctcccagatt caaatgatac 60

tcctgcctca gcctcctgag tagctgggat tacatgcatg cgccaccatg cccagctaat 120

tttttgtatt tttagtagag acggggtttc accatgttgg ccagactaga cttgaactcc 180

tgacctcgtg atccacccac ctcaacctcc caaactgctg ggagtacagg caagccgaat 240

tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc 300

cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa 360

accctggcgt tacccaactt aatcgccttg cagcacatcc cctttcgcc agctggcgta 420

atagcgaaaa ggcccgcacc gatcgccctt cccaacagtt gcgcagcctg aatggcgaat 480

ggacgcgccc tgtagcggcg cattaagcgc ggcgggtgtg gtggttacg 529

<210> 239
<211> 436
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK34-5withM13R (see Figure 3)

<400> 239
ggagggtgtt tgcacaatct cagctcaccg aaacctccgc ctcacaggtt caagtgattc 60

ctctgcctca gccttctgag tagctaggat gacaagcatt tgccatgata cctggctaat 120

tttgtatttt tagtagagac caggattctt catgttgata aggtgggtct tgaactcctg 180

acctcagatg atccatctga tttggcctcc caaactgctg ggagtacagg caagccgaat 240

tctgcaaata tccatcacac tggcggccgt tcgagcatgc atctaaaggg cccaattcgc 300

cctataggtg agtcgtatta caattcactg gccgtcgttt tacaacgtcg tgactgggaa 360

aaccctggcg ttacccaact taatcgcctt gcagcacatc ccctttcgc cagctggcgt 420

aatagcgaag aggccc 436

<210> 240
<211> 521
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK37-1withM13R (see Figure 3)

<400> 240
gcctgtactc ccagcagttt gggaggccaa atcagatgga tcatctgagg tcaggagttc 60

aagaaccacc ttatcaacat gaagaatcct ggtctctact aaaaatacaa aattagccag 120

gtatcatggc aaatgcttgt catcctagct actcagaagg ctgaggcaga ggaatcactt 180

gaacctgtga ggcggaggtt tcggtgagct gagattgtgc aaacaccctc caagccgaat 240

tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc 300

cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa 360

accctggcgt tcccaactta atcgccttgc agcacatccc cctttcgcag ctggcgtaat 420

agcgaagagg cccgcaccga tcgcccttcc caacagttgc gcagcctgaa tggcgaatgg 480

acgcgccctg tagcggcgca ttaagcgcgg cgggtgtggt g 521

<210> 241
<211> 482
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK37-2withM13R (see Figure 3)

<400> 241
ggagggtgtt tgcacaatct cagctcattg caacttccag ctcccaggtt caagcgattc 60

tccttcctca gcctcccaag tagttgggat tacaggcatg caccatcatg cccggctaat 120

ttttgtattt ttagtagaga cagggtttca ccatattggc caggctggtc ttgaactcct 180

gacctcgtgt tccacccacc tcagcctccc aaactgctgg gagtacaggc gaattctgca 240

gatatccatc acactggcgg ccgctcgagc atgcatctag agggcccaat tcgccctata 300

gtgagtcgta ttacaattca ctggccgtcg ttttacaacg tcgtgactgg gaaaaccctg 360

gcgttaccca acttaatcgc cttgcagcac attccctttc gccagctggc gtaatagcga 420

agaggcccgc accgatcgcc cttcccaaca gttgcgcagc ctgaatggcg aatggacgcg 480

cc 482

<210> 242
<211> 525
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK37-4withM13R (see Figure 3)

<400> 242
ggagggtgtt tgcacaatct cagctcattg caacctccca ggttcaagcg attctcctgc 60

ctcagcctcc tgagtagctg ggatcacagg tgtgtgccac cattcctggc taatttttgt 120

atttctagta gagatggggt tttaccatgt tggtcaggct ggtctcaaac tcctgacctc 180

atgatctgcc caccttggcc tcccaaactg ctgggagtac aggcaagccg aattctgcag 240

atatccatca cactggcggc cgctcgagca tgcatctaga gggcccaatt cgccctatag 300

tgagtcgtat tacaattcac tggccgtcgt tttacaacgt cgtgactggg aaaaccctgg 360

cgttacccaa cttaatcgcc ttgcagcaca tccccctttc gccagctggc gtaatagcga 420

agaggcccgc accgatcgcc ctttcccaac agttgcgcag cctgaatggc gaatggacgc 480

gccctgtagt cggcgcatta agcgcggcgg gtgtggtggt tacgc 525

<210> 243
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK37-5withM13R (see Figure 3)

<400> 243
ggagggtgtt tgcacaatct cagctcacta caacctctgc ctcccaggtt caagcgattc 60

tcatgcctcg gcttctcaag ttgctgggac tacgggcaca cgccagcacg gctggctaat 120

ttttgtattt ttagtagaga cagggtttca ccgtcttggc catgctggtc tcaaactcct 180

gacctcatga tccacccgcc ttggcctccc aaactgctgg gagtacaggc aagccgaatt 240

ctgcagatat ccatcacact ggcggccgct cgagcatgca tctagagggc ccaattcgcc 300

ctatagtgag tcgtattaca atttactggc cgtcgtttta caacgtcgtg actgggaaaa 360

cccctggcgt tacccaactt aatcgccttg cagcacatcc cccttcgcc agctggcgta 420

atagcgaaga ggcccgcacc gatcgccctt cccaacagtt gcgcc 465

<210> 244
<211> 531
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK37-6withM13R (see Figure 3)

<400> 244
ggagggtgtt tgcacaatct cagctcaccg aaacctccgc ctcacaggtt caagtgattc 60

ctctgcctca gccttctgag tagctaggat gacaagcatt tgccatgata cctggctaat 120

tttgtatttt tagtagagac caggattctt catgttgata aggtggttct tgaactcctg 180

acctcagatg atccatctga tttggcctcc caaactgctg ggagtacagg caagccgaat 240

tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc 300

cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa 360

accctggcgt tacccaactt aatcgccttg cagcacatcc ccctttcgcc agctggcgta 420

atagcgaaga ggcccgcacc gatcgccctt cccaacagtt gcgcagcctg aatggcgaat 480

ggacgcgccc tgtagcggcg cattaagcgc ggcgggtgtg gtggttacgc g 531

<210> 245
<211> 517
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK37-8withM13R (see Figure 3)

<400> 245
ggagggtgtt tgcacaatct ttgctcactg caatctccac ctcccgggtt caagtgattc 60

tcctgcctca gactgctgaa tacttgggat tacaggcacc cgccaccaca ccttgctaat 120

tttttggatt tttaatagag atgggggttc accatgtcaa ccaggctggt cttgaactcc 180

tgaccttagg tgatccaccc acctcagcct cccaaactgc tgggagtaca ggcaagccga 240

attctgcaga tatccatcac actggcggcc gctcgagcat gcatctagag ggcccaattc 300

gccctatagt gagtcgtatt acaattcact ggccgtcgtt ttacaacgtc gtgactggga 360

aaaccctggc gttacccaac ttaatcgcct tgcagcacat ccccctttcg ccagctggcg 420

taatagcgaa gaggcccgca ccgatcgccc ttcccaacag ttgcgcagcc tgaatggcga 480

atggacgcgc cctgtagcgg cgcattaagc gcggcgg 517

<210> 246
<211> 620
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK37-9withM13R (see Figure 3)

<400> 246
aacagctatg accatgatta cgccaagctt ggtaccgagc tcggatccac tagtaacggc 60

cgccagtgtg ctggaattcg gcttcctcag cctcctgagt agctggggtt acaggtgccc 120

accaccacac ctggctgatt tttatatttt tagtagagat ggggtttcac catgtcgcca 180

ggctggtctt gagctctaga cctcaagtga tccacccatc ttggcctctc aaactgctgg 240

gagtacaggc aagccgaatt ctgcagatat ccatcacact ggcggccgct cgagcatgca 300

tctagagggc ccaattcgcc ctatagtgag tcgtattaca attcactggc cgtcgtttta 360

caacgtcgtg actgggaaaa ccctggcgtt acccaactta atcgccttgc agcacatccc 420

cctttcgcca gctggcgtaa tagcgaagag gcccgcaccg atcgcccttc cccaacagtt 480

gcgcagcctg aatggcgaat ggacgcgccc tgtagcggcg cattaagcgc ggcgggtgtg 540

gtggttacgc gcagcgtgac cgctacactt gccagcgccc tagcgcccgc tcctttcgct 600

ttcttccctt cctttctcgc 620

<210> 247
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK37-26withM13R (see Figure 3)

<400> 247
ggagggtgtt tgcacaatct cggctcacag tagcctctgc ctcctgggtt caagcgattc 60

tcctgcctca gcctcccgag tagctgggat tacaggcatg cgccaccatg tccatctaat 120

tttgtatttt tagtagagat ggggtttctc catgttggtc aggctggtct cgaactccca 180

acctcaggtg atccacccgc cttggcctcc caaactgctg ggagtacagg caagccgaat 240

tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc 300

cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgc gactgggaaa 360

accctgtcgt tacccaactc aatcgccttg cagc 394

<210> 248
<211> 566
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK39-3withM13R (see Figure 3)

<400> 248
ggagggtgtt tgcacaatct tggctcactg caacctctgc ctcctgggcc caagccatct 60

tcctacctca gcttcccgag tagctggact acaggtgtga gccatcacgc ccagccaatt 120

tttgtatttt tagtagagac gaggtttcac catgttggcc tggctggcct tgatctcctg 180

acctagtgat ctccccgcct cagcctctca aactgctggg agtacaggca agccgaattc 240

tgcagatatc catcacactg gcggccgctc gagcatgcat ctagagggcc caattcgccc 300

tatagtgagt cgtattacaa ttcactggcc gtcgttttac aacgtcgtga ctgggaaaac 360

cctggcgtta cccaacttaa tcgccttgca gcacatcccc ctttcgccag ctggcgtaat 420

agcgaagagg cccgcaccga tcgcccttcc aacagttgcg cagcctgaat ggcgaatgga 480

cgcgccctgt agcggcgcat taaacgcggc gggtgtggtg gttacgcgca gcgtgaccgc 540

tacacttgcc agcgccctag cgcccg 566

<210> 249
<211> 600
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK39-4withM13R (see Figure 3)

<400> 249
aacagctatg acctgattac gccaagcttg gtaccgagct cggatccact agtaacggcc 60

gccagtgtgc tggaattcgg cttggtgttt gcacaatctc agctcaccga aacctccgcc 120

tcacaggttc aagtgattcc tctgcctcag ccttctgagt agctaggatg acaagcattt 180

gccatgatac ctggctaatt ttgtattttt agtagagacc aggattcttc atgttgataa 240

ggtggttctt gaactcctga cctcagatga tccatctgat ttggcctctc aaactgctgg 300

gagtacaggc aagccgaatt ctgcagatat ccatcacact ggcggccgct cgagcatgca 360

tctagagggc ccaattcgcc ctatagtgag tcgtattaca attcactggc cgtcgtttta 420

caacgtcgtg actgggaaaa ccctggcgtt acccaactta atcgccttgc agcacatccc 480

cctttcgcca gctggcgtaa tagcgaagag gcccgcaccg atcgcccttc ccaacagttg 540

cgcagcctga atggcgaatg gacgcgccct gtagcggcgc attaagcgcg gcgggtgtgg 600

<210> 250
<211> 527
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK39-6withM13R (see Figure 3)

<400> 250
ggagggtgtt tgcacaatct cagctcaccg aaacctccgc ctcacaggtt caagtgattc 60

ctctgcctca gccttctgag tagctaggat gacaagcatt tgccatgata cctggctaat 120

tttgtatttt tagtagagat ggggttttgc catgttggcc aggctggtct caaactcctg 180

acctcaagtg atcccccacc tcggcctccc aaactgctgg gagtacaggc aagccgaatt 240

ctgcagatat ccatcacact ggcggccgct cgagcatgca tctagagggc ccaattcgcc 300

ctatagtgag tcgtattaca attcactggc cgtcgtttta caacgtcgtg actgggaaaa 360

ccctggcgtt acccaactta atcgccttgc agcacatccc cctttcgcca gctggcgtaa 420

tagcgaagag gcccgcaccg atcgcccttc ccaacagttg cgcagcctga atggcgaatg 480

gacgcgccct gtagcggcgc attaagcgcg gcgggtgtgg tggttac 527

<210> 251
<211> 526
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK39-7withM13R (see Figure 3)

<400> 251
ggagggtgtt tgcacaatct ggagggtgtt tgcacaatct cggctcacca caatctttgc 60

ctttcgggtt caagggattc tcctgcctca gcctcccgag tagctgggat tacaggcatg 120

tgccaccaca cccggctaat gttgtagttt tagtagagac ggggtttctc tatgttggtt 180

aggctggtct caaactcctg acctcaggtg atctacccgc ctcggcctct caaactgctg 240

ggagtacagg caagccgaat tctgcagata tccatcacac tggcggccgc tcgagcatgc 300

atctagaggg cccaattcgc cctatagtga gtcgtattac aattcactgg ccgtcgtttt 360

acaacgtcgt gactgggaaa accctggcgt tacccaactt aatcgccttg cagcacatcc 420

ccctttcgcc agctggcgta atagcgaaga ggcccgcacc gatcgccctt cccaacagtt 480

gcgcagccct gaatggcgaa tggacgcgcc ctgtagcggc gcatta 526

<210> 252
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK39-8withM13R (see Figure 3)

<400> 252
ggagggtgtt tgcacaatct cagctcaccg aaacctccgc ctcacaggtt caagtgattc 60

ctctgcctca gccttctgag tagctaggat gacaagcatt tgccatgata cctggctaat 120

tttgtatttt tagtagagat ggggttttgc catgttggcc aggctggtct caaactcctg 180

acctcaagtg atcccccacc tcggcctccc aaactgctgg gagtacaggc aagccgaatt 240

ctgcagatat ccatcacact ggcggccgct cgagcatgca tctagagggc ccaattcgcc 300

ctatagtgag tcgtattaca attcactggc cgtcgtttta caacgtcgtg actgggaaaa 360

ccctggcgtt acccaactta atcgccttgc agcacatccc cctttcgcca gctggcgtaa 420

tagcgaagag gcccgcaccg atcgcccttc ccaacagttg cgcagcctga atggcgaatg 480

gacgcgccct g 491

<210> 253
<211> 539
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK39-9withM13R (see Figure 3)

<400> 253

ggagggtgtt tgcacaatct cagctcattg caacctccac ctcccgggtt caagcaattc 60

ccctgcctca gcctcctgag tagctggaac tacaggcacg cgccaccacg tctggttaat 120

ttttttgtat ttttatagag atggggtttt accatgttgc ccaggctggt cttaaactcc 180

tgggctcaag ctatccactc gccttggcct cccaaactgc tgggagtaca ggcaagccga 240

attctgcaga tatccatcac actggcggcc gctcgagcat gcatctagag ggcccaattc 300

gccctatagt gagtcgtatt acaattcact ggccgtcgtt ttacaacgtc gtgactggga 360

aaaccctggc gttacccaac ttaatcgcct tgcagcacat ccccctttcg ccagctggcg 420

taatagcgaa gaggcccgca ccgatcgccc ttccaacagt tgcgcagcct gaatggcgaa 480

tggacgcgcc ctgtagcggc gcattaagcg cggcgggtgt ggtggttacg cgcagcgtg 539

<210> 254
<211> 541
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK39-10withM13R (see Figure 3)

<400> 254
ggagggtgtt tgcacaatct cagctcaccg aaacctccgc ctcacaggtt caagtgattc 60

ctctgcctca gccttctgag tagctaggat gacaagcatt tgccatgata cctggctaat 120

tttgtatttt tagtagagac caggattctt catgttgata aggtggttct tgaactcctg 180

acctcagatg atccatttga tttggcctcc caaactgctg ggagtacagg caagccgaat 240

tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc 300

cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa 360

accctggcgt tacccaactt aatcgccttg cagcacatcc cctttcgcc agctggcgta 420

atagcgaaga ggcccgcacc gatcgccctt cccaacagtt gcgcagcctg aatggcgaat 480

ggacgcgccc tgtagcggcg cattaagcgc ggcgggtgtg gtggttacgc gcagcgtgac 540

c 541

<210> 255
<211> 327
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK39-12withM13R (see Figure 3)

<400> 255
ggagggtgtt tgcacaatct tggctcactg caacttttgc ctcctgggtt caagcaattc 60

tcctgcctca gcctcccgag tagctgggac tataggcacg cgccatcacg ccgggttatt 120

ttgtattttt agtacagacg gggtgtttac atggtggtca agctgggttt gaacttctga 180

cctcaagtga tcctgcccgc ctcggctttc caaactgctg ggagtacatg gcaagcccga 240

attctgcaga tatccatcac acctggcggc cgctcgagct tgcatctaga gggcccaatt 300

ccgccctatt ctgagtcgta tctacaa 327

<210> 256
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BD43-1withM13R (see Figure 3)

<400> 256
ggagggtgtt tgcacaatct cagctcaccg aaacctccgc ctcacaggtt caagtgattc 60

ctctgcctca gccttctgag tagctaggat gacaagcatt tgccatgata cctggctaat 120

tttgtatttt tagtagagac caggattctt catgttgata aggtggttct tgaactcctg 180

acctcagatg atccatctga tttggcctcc caaactgctg ggagtacagg caagccgaat 240

tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc 300

cctatagtga gtccgtatta caattcactg gccgtcgttt tacaacgtcg tgactgggaa 360

aaccctggcg ttacccaact taatcgcctt gcagcacatc ccccctttcg cacctg 416

<210> 257
<211> 567
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BD43-2withM13R (see Figure 3)

<400> 257

ggagggtgtt tgcacaatct cagctcaccg aaacctccgc ctcacaggtt caagtgattc 60

ctctgcctca gccttctgag tagctaggat gacaagcatt tgccatgata cctggctaat 120

tttgtatttt tagtagagac caggattctt catgttgata aggtggttct tgaactcctg 180

acctcagatg atccatctga tttggcctcc caaactgctg ggagtacagg caagccgaat 240

tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc 300

cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa 360

accctggcgt tacccaactt aatcgccttg cagcacatcc ccctttcgcc agctggcgta 420

atagcgaaga ggcccgcacc gatcgccctt cccaacagtt gcgcagcctg aatggcgaat 480

ggacgcgccc tgtagcggcg cattaagcgc ggcgggtgtg gtggttacgc gcagcgtgac 540

cgctacactt gccagcgccc tagcgcc 567

<210> 258
<211> 545
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BD43-6withM13R (see Figure 3)

<400> 258
ggagggtgtt tgcacaatct ggggttcaag ggaagagtcc aggctgcaga taaagatttg 60

ggagttgtca gtatagcaat ttcattgttg ttattactgt tgttgttttg tagagatagg 120

gtctcactat gttgcccacg ctggtcttga actcctgagc tcaagcgatc ctcctgcttc 180

agcctcccaa actgctggga gtacaggcaa gccgaattct gcagatatcc atcacactgg 240

cggccgctcg agcatgcatc tagagggccc aattcgccct atagtgagtc gtattacaat 300

tcactggccg tcgttttaca acgtcgtgac tgggaaaacc ctggcgttac ccaacttaat 360

cgccttgcag cacatccccc tttcgccagc tggcgtaata gcgaagaggc ccgcaccgat 420

cgcccttcca acagttgcgc agcctgaatg gcgaatggac gcgccctgta gcggcgcatt 480

aagcgcggcg ggtgtggtgg ttacgcgcag cgtgaccgct acacttgcca gcgccctagc 540

gcccg 545

<210> 259
<211> 531
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BD43-8 (see Figure 3)

<400> 259
ggagggtgtt tgcacaatct tggctcactg caacctccac ctcgcagttc aagcaattct 60

tgtgccttag cctcctgaat agtagctggg attacgggcg tgtgccatca cacccagcta 120

atttttgtat ttttagtaga gacagttgtc caggctggtc ttgaattcct ggcctcaaga 180

gatccgctgg ctttggcctc tcaaactgct gggagtacag gcaagccgaa ttctgcagat 240

atccatcaca ctggcggccg ctcgagcatg catctagagg gcccaattcg ccctatagtg 300

agtcgtatta caattcactg gccgtcgttt tacaacgtcg tgactgggaa aaccctggcg 360

ttacccaact taatcgcctt gcagcacatc ccccttcgc cagctggcgt aatagcgaag 420

aggcccgcac cgatcgccct tcccaacagt tgcgcagcct gaatggcgaa tggacgcgcc 480

tgtagcggcg cattaagcgc ggcgggtgtg gtggttacgc gcagcgtgac c 531

<210> 260
<211> 531
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BD43-8(2)withM13R BD43-8 (178, 100, 11q2
2.3) (see Figure 3)

<400> 260
ggagggtgtt tgcacaatct tggctcactg caacctccac ctcgcagttc aagcaattct 60

tgtgccttag cctcctgaat agtagctggg attacgggcg tgtgccatca cacccagcta 120

atttttgtat ttttagtaga gacagttgtc caggctggtc ttgaattcct ggcctcaaga 180

gatccgctgg ctttggcctc tcaaactgct gggagtacag gcaagccgaa ttctgcagat 240

atccatcaca ctggcggccg ctcgagcatg catctagagg gcccaattcg ccctatagtg 300

agtcgtatta caattcactg gccgtcgttt tacaacgtcg tgactgggaa aaccctggcg 360

ttacccaact taatcgcctt gcagcacatc ccccttcgc cagctggcgt aatagcgaag 420

aggcccgcac cgatcgccct tcccaacagt tgcgcagcct gaatggcgaa tggacgcgcc 480

tgtagcggcg cattaagcgc ggcgggtgtg gtggttacgc gcagcgtgac c 531

<210> 261
<211> 529
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BD43-9withM13R (see Figure 3)

<400> 261
ggagggtgtt tgcacaatct cagctcactg caaccttcgc ctcccgggtt caagtgattc 60

tcctgcctca gcctcctgag tagctaggac tatagatgcc cccaccacgc ctggctaata 120

tttgtatttt tttagtacag tcggggtttt gccatgttgg ccaggctgat ctcgaacccc 180

tgacctcaac tgatccaccc acctcggcct tccaaactgc tgggagtaca ggcaagccga 240

attctgcaga tatccatcac actggcggcc gctcgagcat gcatctagag ggcccaattc 300

gccctatagt gagtcgtatt acaattcact ggccgtcgtt ttacaacgtc gtgactggga 360

aaaccctggc gttacccaac ttaatcgcct tgcagcacat tcccctttcg ccagctggcg 420

taatagcgaa gaggcccgca ccgatcgccc ttccaacagt tgcgcagcct gaatggcgaa 480

tggacgcgcc ctgtagcggc gcattaagcc cggcgggtgt ggtggttac 529

<210> 262
<211> 563
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BD43-10withM13R (see Figure 3)

<400> 262
ggagggtgtt tgcacaatct cagctcactg caacctccct cttctgcatt caaatgattc 60

tcatgcctca gccttccgag tagctggaat tacagacatg tactaccaca ccaggctaag 120

ttttgtattt ttagtagaga cgaggtttca ccatgttggc caggctggtc ttgaactcct 180

ggcctcaagt gatccacctg ccttggcttc ccaaactgct gggagtacag gcaagccgaa 240

ttctgcagat atccatcaca ctggcggccg ctcgagcatg catctagagg gcccaattcg 300

ccctatagtg agtcgtatta caattcactg gccgtcgttt tacaacgtcc gtgactggga 360

aaaccctggc gttacccaac ttaatcgcct tgcagcacat cccccctttc gccagctggc 420

gtaatagcga agaggcccgc accgatcgcc cttcccaaca gtttgcgcag cctgaatggc 480

gaatggacgc gccctgtagc ggcgcattaa gcgcggcggg tgtggtggtt acgcgcagcg 540

tgaccgctac acttgccagc gcc 563

<210> 263
<211> 566
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BD43-14 (191, 100, 16q24.2) withM13R (se
e Figure 3)

<400> 263
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